Detailed Site (Contamination) Investigation

Lord Howe Island Critical Infrastructure Project - Waste Management Facility

Prepared for: APP Corporation Pty Ltd
29 September 2025



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Abbreviations and Acronyms

Abbreviation	Meaning
ACM	Asbestos Containing Material
AEI	Area of Environmental Interest
AHD	Australian Height Datum
ASLP	Australian Standard Leaching Procedure
AST	Above Ground Storage Tank
B/W	Black and White
BaP	Benzo(a)pyrene
BTEXN	Benzene, Toluene, Ethylbenzene, Xylene, Naphthalene
BYDA	Before You Dig Australia
CoC	Chain of Custody
CoPC	Contaminants of Potential Concern
CRS	Chromium Reducible Sulfur
CSM	Conceptual Site Model
DCCEEW	Department of Climate Change, Energy, the Environment and Water
DQIs	Data Quality Indicators
DQOs	Data Quality Objectives
DSI	Detailed Site Investigation
EIS	Environmental Impact Statement
EILs	Ecological Screening Levels
ESLs	Ecological Investigation Levels
FA	Friable Asbestos
HILs	Health Investigation Levels
HSLs	Health Screening Levels
LHI	Lord Howe Island
LHIB	Lord Howe Island Board
m bgl	Metres Below Ground Level
MPN	Most Probable Number
NATA	National Association of Testing Authorities Australia
NPWS	National Parks and Wildlife Service
OCPs	Organochlorine Pesticides
OPPs	Organophosphate Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls

Abbreviation	Meaning
PFAS	Per- and poly-fluoroalkyl substances
PFOS	Per-fluorooctanesulfonic acid
PID	Photoionisation Detector
POEO	Protection of the Environment Operations
ppm	Part per million
QA/QC	Quality Assurance/Quality Control
RL	Reduced Level
RPD	Relative Percentage Difference
SAQP	Sampling, Analysis and Quality Plan
SOPs	Standard Operating Procedures
SPOCAS	Suspension Peroxide Oxidation Combined Acidity and Sulfur
SVOC	Semi-Volatile Organic Compounds
SWMS	Safe Working Method Statement
TCLP	Toxicity Characteristic Leaching Procedure
TEC	Threatened Ecological Community
TRH	Total Recoverable Hydrocarbons
UCL	Upper Confidence Limit
USCS	Unified Soil Classification System
UST	Underground Storage Tank
UXFP	Unexpected Finds Protocol
VOCs	Volatile Organic Compounds
WMF	Waste Management Facility

Executive Summary

SMEC Australia Pty Ltd (SMEC) was engaged by APP Corporation Pty Ltd (APP), on behalf of the Department of Climate Change, Energy, the Environment and Water of NSW (DCCEEW) and the Lord Howe Island Board (LHIB), to conduct a Detailed Site Investigation (DSI) (with respect to contamination) at the Lord Howe Island Waste Management Facility (WMF) located on Lord Howe Island (LHI), NSW 2898 (the Site).

The purpose of the investigation was to provide DCCEEW and LHIB with advice on the contamination status of the Site to inform the decision-making process with respect to possible future land uses. The DSI also supports the Environmental Impact Statement (EIS) for the Lord Howe Island Critical Infrastructure Project. It documents the presence and risks associated with contaminated land, including potential impacts to soils, groundwater, surface water and sediments.

The objectives of the investigation were to:

- Assess the potential for contamination to be present at the Site from past or present activities
- Assess if contamination at the Site potentially poses a risk to human health or the environment
- Provide recommendations on the need for further investigations and/or management based on the findings.

The scope of work included:

- Desktop review of relevant information sources
- Site walkover and fieldwork (soil, groundwater, surface water, sediment and subsurface gas sampling/analysis)
- Developing a Conceptual Site Model (CSM)
- Preparation of this report presenting the findings of the assessment and making conclusions and recommendations per the objectives.

Review of the available background information and the site walkover identified the following:

- The Site appears to have been developed and utilised as a Waste Management Facility (WMF) sometime between 1965 and 2006, and continues to operate as the WMF for Lord Howe Island
- Historical use of per- and poly-fluoroalkyl substances (PFAS) containing fire-fighting foam was identified offsite and previous investigations (AECOM, 2019) have detected PFAS in soil, porewater, surface water and groundwater samples from both on and off-site locations. Anecdotal evidence provided during the site inspection indicates that PFAS impacted waste from firefighting training activities was discarded at the WMF, potentially within the burn pile area.
- Site observations indicated onsite activities include:
  - Disposal and stockpiling of household wastes for transport to mainland landfills
  - Acceptance and disposal of various domestic and commercial wastes, including machinery and whitegoods
  - Crushing of glass and subsequent stockpiling
  - Acceptance and storage of liquid wastes
  - Polymer dosing of effluent prior to discharge to land offsite
  - Composting and disposal of green-wastes

Based on the desktop review, previous reports and site walkover, seven potential Areas of Environmental Interest (AEI) and associated potentially contaminating sources were identified, including the following:

- AEI1: Burn Pile and Surrounds – from stockpiling of burn pile materials including but not limited to; potential asbestos containing material, household refuse, glass, aluminium, pallets and green waste

- AEI2: Former Effluent Drying Beds – former storage of effluent
- AEI3: WMF Building and Former Burn Pit – main WMF operating structure and anecdotal evidence of former burn pit
- AEI4: Septic Treatment Area – ongoing treatment of bio-solids
- AEI5: Chemical Shed – storage of used oil filters, cooking and engine oil
- AEI6: Historical Stockpiling and Mounds Including Concrete Stockpile – stockpiling of various waste materials from waste streams processed by the WMF including,
- AEI7: Uncontrolled Historical Fill – use of fill of unknown quality and origin to level and raise WMF area from surrounds

To assess potential contamination associated with the seven AEIs, the following was undertaken:

- Advancement of 36 test pits across the Site to a maximum depth of 3.2 metres below ground level [mbgl] (mobilisation 1). This included within fill mounds and also below the ground surface
- Advancement of 12 boreholes to a maximum of 6.0 mbgl, with conversion of 3 boreholes to groundwater monitoring wells and nested gas monitoring wells (mobilisation 2)
- Advancement of 3 boreholes to a maximum of 11.5 mbgl to investigate depth to rock, contamination samples were not collected from these locations (mobilisation 2)
- Groundwater monitoring and sampling from the 3 newly installed groundwater wells (mobilisation 2)
- Sediment sampling and surface water monitoring and sampling from 3 locations, located upstream, mid-stream and downstream
- Subsurface gas monitoring at 3 locations over three rounds during mobilisation 2.

The results of the soil, groundwater, sediment and surface water sampling found concentrations of contamination of potential concern were generally less than the adopted assessment criteria for soils, groundwater, sediment and surface water. Results and any exceedances of the adopted criteria are summarised below:

- Fill materials within AEI1 was impacted by asbestos in TP08 and TP06 and heavy metals within BH01, TP10, BH08

Based on the results of this DSI, the following is concluded:

- The risk to receptors is considered to be low, and manageable under standard site operations and construction practices of the WMF. The site is considered suitable for the proposed continuing operation as a WMF, subject to the recommendations listed below.

Based on the results of this DSI, we recommend the following:

- Management of all residual waste materials including residential and building materials observed on the surface across the Site as apart of ongoing operations of the WMF facility prior to the construction work.
- An asbestos removal/management plan (or equivalent) be prepared that clearly documents how asbestos will be managed at the Site during both construction and longer term.
- Managing soils with asbestos during construction would need to comply with WHS regulations.
- A Construction Environmental Management Plan including a Material Management/Reuse Plan and Unexpected Find Protocols (UXFP) should be prepared for future development works.
- Development of a sustainable approach to re-use and minimise disposal of excess spoil / soil materials off-island, through a material management plan, or incorporated into construction stage management plans such as the CEMP or spoil management plan.
- Confirmation that materials applied to land in 2009, prior to the current EPL being created, are legally allowable to remain on site.

The recommendations should be considered in conjunction with the remainder of the report.

1. Introduction

1.1 General

The NSW Department of Climate Change, Energy, the Environment and Water ('NSW DCCEEW' or 'Proponent'), on behalf of the Lord Howe Island Board (LHIB) proposes the construction, operation and maintenance of new marine infrastructure, cargo handling facility, biosecurity infrastructure and waste management facility on Lord Howe Island, and associated landscape and vegetation restoration.

The Proponent seeks development consent for the Project as Critical State Significant Infrastructure (CSSI) under Division 5.2, subdivision 5.13 of the Environmental Planning and Assessment Act 1979 (EP&A Act). The Project is a controlled action (2025/10188) under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act 1999) and will be assessed under the bilateral agreement between the NSW and Commonwealth Governments.

SMEC Australia Pty Ltd (SMEC) was engaged by APP Corporation Pty Ltd (APP), on behalf of the Department of Climate Change, Energy, the Environment and Waste of New South Wales (DCCEEW) and Lord Howe Island Board (LHIB), to conduct a Detailed Site Investigation (DSI) of the Lord Howe Island Waste Management Facility (WMF) located on Lord Howe Island (LHI), NSW 2898 (the Site). The Site's location is shown in Figure 1, Appendix A.

Due to the historical and recent use of the Site as a waste management facility (WMF), there is the potential for legacy contamination within the Site. This includes the stockpiling, burial, and burning of various waste types, such as effluent, disused plant and machinery, general household waste, liquid waste, e-waste, and demolition debris. Asbestos Containing Material (ACM) has also been observed at the Site.

Additionally, historical firefighting training activities at the nearby airport may have contributed to contamination, as per- and poly-fluoroalkyl substances (PFAS) exceedances were recorded onsite and in the surrounding area as part of previous investigation (AECOM, 2019). Waste from the historical firefighting training activities may have been disposed of at the WMF.

This report presents the results of soil and water sampling and testing conducted as part of the DSI. It is based on the Sampling, Analysis, and Quality Plan (SAQP) (SMEC, 2024), which outlines the selected sampling and analysis methodologies for the DSI. The SAQP was developed using previous Site history and relevant desktop information.

A contamination assessment of the cargo laydown area was carried out by SMEC and findings are reported in the SMEC (2025a) Lord Howe Island Critical Infrastructure Project Northern Jetty Contamination Assessment.

1.2 Project Purpose and Objectives

The purpose of the investigation was to provide DCCEEW and LHIB with advice on the contamination status of the Site to inform the decision-making process with respect to possible future land uses. The DSI also supports the Environmental Impact Statement (EIS) for the Lord Howe Island Critical Infrastructure Project. It documents the presence and risks associated with contaminated land, including potential impacts to soils, groundwater, surface water and sediment. The DSI also responds to the Secretary's Environmental Assessment Requirements (SEARs) issued by the Department of Planning, Housing and Infrastructure (DPHI) on 14 April 2025. Supplementary SEARs were issued on 08 August 2025.

The objectives of the investigation were to:

- Assess the potential for contamination to be present at the Site from past or present activities.
- Assess if contamination at the Site potentially poses a risk to human health or the environment.
- Provide recommendations on the need for further investigations and/or management based on the findings.

1.3 Definition of Contamination

The NSW Contaminated Land Management Act 1997 defines contamination of land as "*the presence in, on or under the land of a substance at a concentration above the concentration at which the substance is normally present in, on or under (respectively) land in the same locality, being a presence that presents a risk of harm to human health or any other aspect of the environment*".

1.4 Scope of Works

To fulfil the project objectives outlined in Section 1.2, SMEC undertook the scope of work as listed in Table 1, with reference to the policies, standards, and guidelines outlined in Section 1.5.

Table 1: Scope of Works

Item	Description
Project Preliminaries	• Desktop review of relevant information sources • Site walkover to record potential sources of contamination • Preparation of SAQP (SMEC, 2024) detailing the selected sampling and analysis methodologies for the DSI • Preparation of a Safe Work Method Statement (SWMS) • Review of a Before You Dig Australia (BYDA) search to locate services • Service location of underground utilities using electromagnetic technology.
Fieldwork	Fieldwork was conducted from 21 to 25 October 2024, and between 30 June to 10 July 2025, and included: • Excavation of 36 test pits to a maximum depth of 3.2 metres below ground level (m bgl) presented on Figure 4, Appendix A • Drilling of 12 boreholes to a maximum of 6.0 mbgl with conversion of 3 boreholes to groundwater monitoring wells and nested gas monitoring wells and 3 boreholes to a maximum of 11.5 mbgl, presented on Figure 4, Appendix A • One round of groundwater monitoring from the 3 newly installed groundwater wells and one round of surface water monitoring and sediment sampling from 3 locations-presented on Figure 5, Appendix A. • Three rounds of gas monitoring from the 3 gas monitoring wells • Submission of 121 soil and material samples, 3 groundwater, 3 surface water and 3 sediment samples to a National Association of Testing Authorities (NATA) accredited laboratory for analysis.

1.5 Assessment guidelines and requirements

This DSI was prepared with reference to the following applicable published guidelines which are prepared or endorsed by NSW EPA:

- ANZECC & ARMCANZ (2000), National Water Quality Management Strategy, Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Protection of Aquatic Ecosystems
- ANZG (2018), Australian and New Zealand Guidelines for Fresh and Marine Water Quality, August 2018, accessed 7 November 2024, URL: http://waterquality.gov.au/anz-guidelines
- Australian Standard AS4482.1-2005 Guide the investigation and sampling of site with potentially contaminated soil Part 1: Non-volatile and semi-volatile compounds (withdrawn)

- CRC Care (2017), Technical Report No. 39 – Risk-based management and remediation guidance for benzo(a)pyrene
- Friebel & Nadebaum (2011) Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater (technical paper No.10) Guidelines, CRC for Contamination Assessment and Remediation of the Environment (CRC CARE)
- Friebel and Nadebaum (2011) CRC Care Technical Report No. 10 – Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater.
- HEPA (2020), PFAS National Environmental Management Plan Version 3.0, Heads of EPA Australia and New Zealand 2025
- National Environment Protection (Assessment of Site Contamination) Measure (1999), as amended in 2013, National Environment Protection Council.
- National Environment Protection Council (2013) Assessment of Site Contamination NEPM Toolbox.
- National Health and Medical Research Council (2008) Guidelines for Managing Risks in Recreational Water, February 2008
- National Health and Medical Research Council (2011) recreational water quality and aesthetics guidelines
- NSW EPA (2000) Use and Disposal of Biosolids Products, Environmental Guidelines, reprinted December 2000.
- NSW EPA (2007) Guidelines for the Assessment and Management of Groundwater Contamination
- NSW EPA (2015), Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997
- NSW EPA (2020), Contaminated land guidelines: Consultants reporting on contaminated land
- NSW EPA (2022), Contaminated land guidelines: Sampling design
- State Environmental Planning Policy (Resilience and Hazards, 2021)
- Stone Y, Ahern C R and Blunden B (1998). Acid Sulfate Soils Manual 1998. Acid Sulfate Soils Management Advisory Committee (ASSMAC), Wollongbar, NSW, Australia
- Sullivan, L, Ward, N, Toppler, N and Lancaster, G (2018), National Acid Sulfate Soils guidance: National acid sulfate soils sampling and identification methods manual, Department of Agriculture and Water Resources, Canberra ACT. CC BY 4.0.
- Sullivan, L, Ward, N, Toppler, N and Lancaster, G (2018a), National Acid Sulfate Soils Guidance: National acid sulfate soils identification and laboratory methods manual, Department of Agriculture and Water Resources, Canberra, ACT. CC BY 4.0.
- The Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, August 2018).

The DSI also addressed the requirements of the SEARs as included in Table 2.

Table 2: SEARs requirements

Requirement	Description	Section Addressed
1	Identify the likelihood of contamination (which includes soils, groundwater, ground gas, surface water and sediments, where applicable) by considering the context of past, existing and future land uses, having regard to the relevant guidelines for contaminated land made or approved under section 105 of the *Contaminated Land Management Act 1997*	10
2	Where contamination is considered likely based on past or current land uses or other factors (such as offsite contamination migrating onto the site), undertake detailed site investigation/s to determine the nature and extent of the contamination.	4
3	Where contamination exists, assess if remediation of the land is required, having regard to the ecological and human health risks posed by the contamination	n/a
4	A Detailed Site Investigation must be prepared and included in the EIS if recommended by a Preliminary Site Investigation. Where a Detailed Site Investigation is recommended and not provided as part of the EIS, the EIS must justify why	This report
5	Any Preliminary Site Investigation, Detailed Site Investigation, or other related reports on contamination (including but not limited to a Sampling Analysis Quality Plan), must be prepared by a suitably qualified and experienced contaminated land consultant who:	This report
5a	meets the competencies outlined in the Guideline on the Competencies and Acceptance of Environmental Auditors and Related Professionals (Schedule B9) as provided in the ASC National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended in 2013	This report
5b	is a certified consultant under either the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme.	This report
6	Where any Preliminary Site Investigation, Detailed Site Investigation, or other related reports on contamination (including but not limited to a Sampling Analysis Quality Plan) identifies any land as a high risk area of potential contamination, then the EIS must be accompanied with an Interim Audit Advice or a Site Audit Statement from a NSW EPA accredited Site Auditor certifying the appropriateness of the assessments..	n/a

1.6 Project Description

This chapter outlines the permanent infrastructure required to operate the Project, as well as the key construction elements and activities required to construct the Project. A comprehensive and detailed description of the Project is provided in the EIS, which has been relied upon for the basis of this technical assessment.

1.7 Project Overview

The indicative project layout is shown on Figures 2-1 and 2-2. The Project includes the following components:

North Zone

- Freight Handling Facility
  - New and upgraded marine infrastructure (e.g., jetty and landing facilities) and cargo interface areas for freight service operations;
  - Upgraded roads and hardstand areas to facilitate safe movement of cargo from the vessel to the Island via the freight handling facilities;
  - Biosecurity infrastructure including quarantine facilities;
  - Adaptive reuse of the existing Ocean View and Old Cargo Shed buildings;
  - Upgraded boat ramp and boat parking for recreational vessels; and
  - New public amenities (e.g., viewing area and parking).

South Zone

- Waste Management Facility
  - Relocation and reconfiguration of the organics processing infrastructure
  - Construction of a waste receival area/shed to facilitate community waste disposal;
  - Construction of a hardstand dedicated for waste storage and facilities/areas to adequately store liquid and hazardous wastes;
  - Construction of a new materials recycling facility (MRF) and new working platform to provide secure, safe operating conditions;
  - Perimeter fencing, security and restricted access upgrades; and
  - Wastewater Treatment Plant (WWTP).
- Dedicated kennel for housing detection dogs near the airport; and
- A self-service fuel bowser on Old Lagoon Road
- Detailed design, site investigations and construction of the Project, inclusive of the North Zone and South Zones, is expected to occur over a period of approximately 20 months.



Figure 2-1 Project Layout (North Zone)

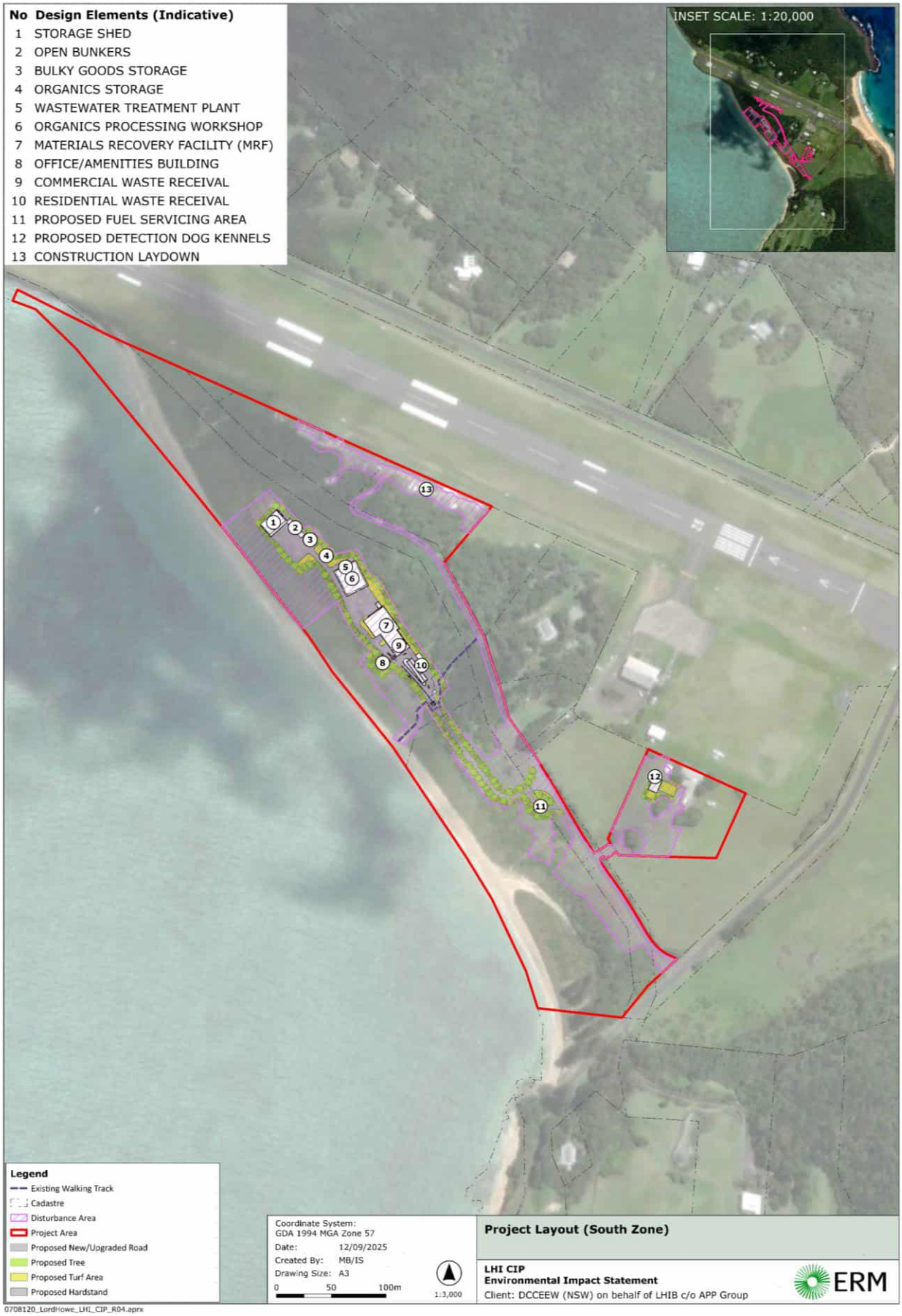


Figure 2-2 Project Layout (South Zone)

2. Site Identification

2.1 Site Location

A summary of Site information is presented below in Table 3. The Site location and layout are provided in Figure 1 and Figure 2, Appendix A.

Table 3: Summary of Site information.

Aspect	Detail
Address	Off Old Lagoon Road, Lord Howe Island NSW 2898
Title Identifiers	None identified on the NSW Government Six Maps portal
Coordinates	-31.539921, 159.075279
Local Government Area	Lord Howe Island Board
Area	Approximately 11,800 m^2 (1.18 ha)
Owner	Lord Howe Island Board
Zoning	SPU – Zone 5 - Special Uses
Current Land Use	Waste Management Facility
Proposed Land Use	Waste Management Facility
Surrounding Land Use	**North**: Dense vegetation, beyond which is Old Lagoon Road followed by Lord Howe Island Aerodrome runway. **South**: Mounds (potentially dunes) beyond which is the foreshore of Prince William Henry Bay and the Tasman Sea. **East**: Dense vegetation beyond which is the Lord Howe Island Aerodrome terminal buildings followed by Bureau of Meteorology Site and other airport facilities. **West**: Levee mounds, beyond which is the foreshore of Prince William Henry Bay and ocean.

2.2 Site History Summary

The Sampling Analysis and Quality Plan [SAQP] (SMEC, 2024) prepared for the Site provides details of the Site history. A summary of this information is presented below and includes a review of aerial imagery (Appendix B) and previous investigations undertaken at the Site:

- The Site appears to have been developed and utilised as the WMF sometime between 1965 and 2006, and continues to operate as the WMF. The WMF features are shown on Figure 2, Appendix, with a summary of site activities as follows:
  - Sorting, processing and stockpiling of waste materials into the following streams:
    - Compostable materials including food waste, paper/cardboard, bio-solid and green waste
    - Recyclable materials, including glass, aluminium, plastics, concrete/masonry rubble, scrap metal, oils, paints, photocopy/printer cartridges, batteries, white goods, tyres
    - General waste materials including household refuse (rubbish), nappies, treated timber, mixed waste and other non-recyclable waste

- A levee surrounding the burn pile in the south-east portion of the Site was constructed in 2009, and consists of crushed glass, soils and some waste materials. This material was applied to land under the previous Environment Protection Licence (EPL), which was allowable, prior to the creation of the current EPL in 2014
- Historical use of PFAS containing fire-fighting foam was identified offsite and previous investigations (AECOM, 2019) have detected PFAS in soil, porewater, surface water and groundwater samples from both on- and off-site locations. Anecdotal evidence provided during the site inspection indicates that PFAS impacted waste from firefighting training activities was discarded at the WMF, potentially within the burn pile area.

The following data gaps were identified:

- There is little documentation around wastes which have been disposed or burnt at Site, particularly as local residents have uncontrolled access to dispose materials.
- The potential for contamination beneath the chemical shed has not been determined.
- The concentration and content of liquid wastes on Site is unknown.
- The extent and type of filling which has occurred at the Site is unknown and likely to be heterogeneous.
- The composition and extent of stockpiles onsite is unknown.

3. Site condition and surrounding environment

3.1.1 Topography and Landforms

The Site is relatively flat and has an approximate elevation of 8m Australian Height Datum (AHD). A slight slope or raised area was observed from the septic treatment area that falls towards the east and west.

3.1.2 Vegetation

Based on the sensitive native vegetation mapping presented in Figure 6, Appendix A, and observations made during the Site investigation, the Site is surrounded by dense bushland to the north and coastal plant communities to the west, including:

- **Northern Boundary**: Dense bushland, likely comprising Greybark - Blackbutt Rainforest, separates the WMF from the airport.
- **Western Boundary**: Coastal plant communities along the shoreline include Coastal Spinifex - Dune Bean - Club Rush - Melanthera biflora - Saltwater Couch beach strandline grassland and Kentia Palm Forest on coral sand and calcarenite.
- **Southern Boundary**: Scattered trees and shrubs, potentially including Bully Bush - Hopwood shrubland on shallow rocky soils, line the southern edge of the Site
- **Central Operational Area**: The WMF Site has been largely cleared of natural vegetation to facilitate waste management activities.

3.1.3 Regional Geology

Reference to the Seamless Surface Geology (https://minview.geoscience.nsw.gov.au/) indicates that the Site is likely to be underlain by the following:

- Coastal deposits – backbarrier (QH_bf) flat facies described as fine- to medium-grained quartz-lithic sand with carbonate and humic components (marine-deposited), indurated sand, silt, clay, gravel, organic mud, peat;
- Coastal deposits - dune facies (QH_bd) described as marine-deposited and aeolian-reworked coastal sand dune; and
- Quarries (QH_hd) described as ground disturbed and/or excavated by quarrying including sand quarrying

The geology map is shown in Plate 1 below.

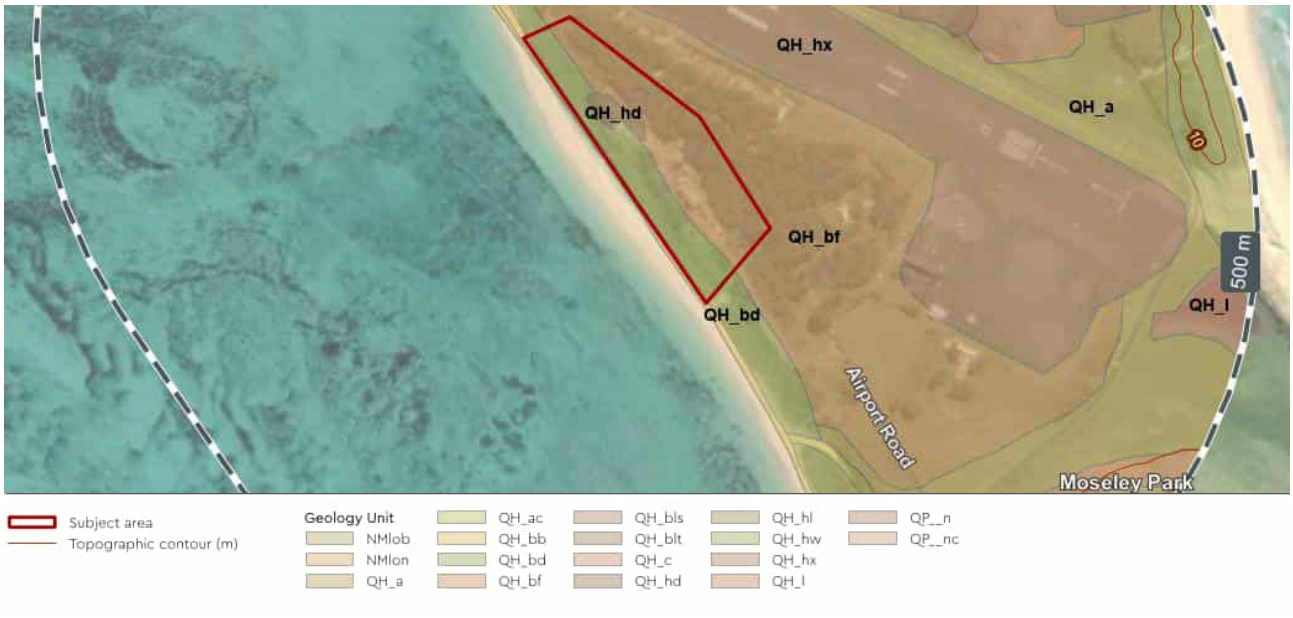


Plate 1: Geology map

The Site is not mapped as being in an area known to have naturally occurring asbestos (Ref: geo.seed.nsw.gov.au).

3.1.4 Hydrology and Hydrogeology

The WMF is situated at a high point relative to the surrounding local terrain and taken together with the presence of existing visible flow paths surrounding the WMF rainfall is expected to infiltrate into Site soils in exposed areas and flow towards drainiage features observed to the north-west and south-east of the Site. Noting that surface water flow is influenced by the surrounding levees on the southern boundary. Localised surface water flows are also expected to discharge into the former effluent drying bed, particularly for surface water pooled within the central and eastern portions of the site.

A search of the NSW Water Groundwater bore dataset undertaken as part of the SAQP (SMEC, 2024) showed one registered groundwater bore to be located within a 500m radius of the Site and three bores located within a 2,000m radius of the Site. A summary of bore information is presented in Table 4 below:

Table 4: Registered bore summary (within 2km radius)

Bore ID	Purpose	Status	Date Installed	Drilled Depth (m)	Distance and direction from the Site
GT0001699	Intrusive Investigation	Unknown	01/01/1968	-	72.2m To the northeast
GT0001697	Intrusive Investigation	Unknown	01/01/2004	-	1306.9m To the north
GT0001698	Intrusive Investigation	Unknown	01/01/2010	-	1306.9m To the north
GT0001700	Intrusive Investigation	Unknown	01/01/1988	-	1460.8m To the north

In addition to the above, five groundwater bores were observed within the site boundary based on the site inspection and review of the previous report, as follows:

- One bore adjacent to the southern mounds.

- One bore within the north-western portion of the site based on the previous report, however this was not observed during the site inspection.
- One bore within the north western portion of the Site adjacent the compost mounds
- One bore within the main WMF operations shed
- One bore within the south eastern portion of the Site within the known burn pile

Groundwater was observed during mobilisation 2 of the SMEC DSI investigation at depths between 3.125 mbgl and 3.283 mbgl. Groundwater direction is assumed to flow towards surrounding drainage lines located north-west and south-east of the Site.

4. Preliminary Conceptual Site Model

4.1 Overview

A preliminary Conceptual Site Model (CSM) was included in the SAQP (SMEC, 2024) prepared for the Site, presenting potential source(s), pathway(s) and ecological/human receptor(s) linkages. The preliminary CSM should form the basis for decisions regarding the scope of works for further assessment and the ongoing contamination management and remediation options.

The CSM is made up of contaminants of potential concern (CoPC), pathways/transport routes, and receptors that could be exposed to the CoPC. For a risk to exist all three components (source, pathway, receptor) of the CSM must exist.

4.2 Potential Contamination Sources

Areas of Environmental Interest (AEIs) and CoPC were assessed based on Site history information and the sample analysis and quality plan (SAQP) findings. Identified AEI and CoPC are summarised in Table 5, below.

Table 5: Summary of identified AEI and CoPC.

AEI	Likelihood of Contamination	Media Potentially Affected	COPC
AEI1: Burn Pile and surrounds	High	Soil, Groundwater	TRH, PAH, metals, BTEX, Asbestos (friable), VOC/SVOC, PFAS, OCP, OPP, PCBs
AEI2: Former Effluent Drying Beds	Low	Soil	Metals, nutrients, microbial organisms
AEI3: WMF Building and Former Burn Pit	Moderate	Soil, Groundwater	TRH, PAH, metals, BTEX, Asbestos (friable), VOC/SVOC, PFAS, OCP, OPP, PCBs
AEI4: Septic Treatment Area	Moderate	Soil, Groundwater	Metals, nutrients, microbial organisms, TRH, PAH, PFAS
AEI5: Chemical Shed	High	Soil, Groundwater, Vapour	Metals, TRH, BTEX, VOC/SVOC, PAH, OCP/OPP, PCBs
AEI6: Historical Stockpiling and mounds including concrete stockpile	Moderate	Soil	Asbestos, nutrients, metals, TRH, PAH, BTEX, OCP, OPP, PCBs
AEI7: Uncontrolled historical fill	Moderate	Soil	TRH, PAH, metals, BTEX, Asbestos (friable), VOC/SVOC, PFAS, OCP, OPP, PCBs

Table Notes:

- This is a qualitative assessment of likelihood of contamination being detected from the data reviewed, not financial or other risk associated if contamination were to be detected.
- TRH (total recoverable hydrocarbons), BTEX (benzene, toluene, ethylbenzene, xylene), Heavy Metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc), ACM (asbestos containing material), PAH, (Polycyclic Aromatic Hydrocarbons), VOC (Volatile Organic Compounds), SVOC (Semi-Volatile Organic Compounds), polychlorinated biphenyls (PCBs), per-& polyfluoroalkyl substances (PFAS), OCP/OPP (Organochlorinated and Organophosphorus Pesticides).

4.3 Exposure Pathways

The pathways of exposure consist of:

- A transport mechanism.
- A route of exposure.

Based on Site history information and the site inspection, there is potential for the following contamination pathways to exist at the Site:

- Disturbance of potential soil contamination and exposure by ingestion, dermal contact or inhalation.
- Air transport of particulates (dust/fibres) and exposure by inhalation (if soil is disturbed).
- Migration of contaminated run-off and exposure to ecological receptors (aquatic ecosystems).
- Surface water runoff and downgradient surface water bodies (Prince Willam Henry Bay and the Tasman Sea).
- Leaching from soils into on-site groundwater followed by off-site migration (vertical).
- Contaminated groundwater migration from the Site to off-site surface water receptor (lateral).
- Vapour intrusion and inhalation.

4.4 Potential Receptors

4.4.1 Human Receptors

Based on the information available, potential human receptors have been assessed to include:

- General operational Waste Management Facility Site workers, and visitors.
- Site workers during future construction works or maintenance activities.

4.4.2 Ecological Receptors

Based on the information available, potential ecological receptors have been assessed to include:

- Onsite and adjacent vegetation, including potential threatened ecological communities (TECs) to the north.
- Onsite fauna, including the Lord Howe Woodhen.
- The adjacent Prince William Henry Bay and associated aquatic ecosystems
- Groundwater underlying the site.

4.5 Potential Source Pathway Receptor Linkages

Potential source-pathway-receptor linkages are where contaminated media (e.g. soil, surface water and/or groundwater) (if present) has the potential to adversely impact on human health or ecological values for the Site via complete exposure pathways. For a risk to exist all three components (source, pathway, receptor) of the CSM must exist.

The potential receptors for concern for which there are potential contamination pathways are summarised in Table 6.

Table 6: Potential Contamination Pathways and Receptors

Source	Transport/Exposure Pathway(s)	Receptor(s)
AEI1 through 7	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	• General operational Waste Management Facility Site workers, and visitors. • Site workers during future construction works or maintenance activities. • Adjacent terrestrial vegetation (including TECs). • Aquatic ecosystems in surface water receptors. • Groundwater underlying the site. • Onsite fauna.

5. Sampling and Analysis Plan

5.1 Data Quality Objectives

The data quality objectives (DQO) in Table 7 developed for this project are based on the requirements detailed in ASC NEPM (1999). Data Quality Indicators (DQIs) are included in Appendix C.

Table 7: Data Quality Objectives

Step	Tasks
Step 1 **State the problem**	There is the potential for legacy contamination within the existing footprint of the Site. This is predominantly due to historical burial and burning of wastes, including effluent, disused plant, machinery, general household, liquid, e-waste and demolition wastes. Investigation is required to appropriately characterise potential contamination at the Site to determine the risk to potential receptors and propose actions for further assessment or management, if required. The primary objectives are outlined in Section 1.2. The findings of the DSI were used to inform the decisions identified in Step 2.
Step 2 **Identify the decisions**	The decisions to be made on the basis of the investigation were: • Is the site suitable from a contamination perspective for the proposed development; • If the site is not suitable for the proposed redevelopment, determine whether sufficient information is available to devise a risk-based remediation strategy; • If sufficient information is available to devise a risk-based remediation strategy, determine the likely extent of remediation required to facilitate development; and, • If sufficient information is not available to devise a risk-based remediation strategy, specify the data gaps and the requirements for addressing the data gaps.
Step 3 **Identify information inputs**	The inputs required to make the decisions listed in Step 2 were as follows: • Site history information • Site observations made during the site walkover and intrusive investigations, including observations of fill/natural soil depth, and contamination indicators (suspected asbestos containing material [ACM], unusual odours, staining or buried waste materials) • Field soil headspace screening for volatile organic compounds (VOCs) using a photo-ionisation detector during fieldwork • Soil concentrations of contaminants of potential concern • Groundwater concentrations of contaminants of potential concern • Applicable NSW EPA endorsed guidelines (Section 1.5).
Step 4 **Define the study boundaries**	Laterally, the study boundary is defined by the Site boundary (i.e. the investigation boundary), as shown on Figure 2, Appendix A. Vertically, the study boundary is defined by the depth of the investigation material which is to the maximum depth of 6.0 m bgl and groundwater underlying the Site. The study duration was carried out from 21-25 October 2024 and between 30 June to 10 July 2025.
Step 5 **Develop the analytical approach (decision rule)**	The decision rule will be as follows: • A data validation assessment will be carried out for all data collected with respect to quality assurance and quality control (QA/QC) and conclude if the data collected is useable, partially useable with some limitations, or unusable in forming conclusions to the assessment.

Step	Tasks
	• Where contaminant concentrations for each sample are below the investigation levels then the potential for contamination at that location will be assessed to be low. • Where contaminant concentrations are reported to exceed the investigation levels, or where potential for significant variability is noted within sample data or Site conditions (i.e. reduced sampling density, changes to temporal conditions), statistical analysis, including 95%UCL calculation will be undertaken. Additional assessment or remediation or management may be recommended. This may include further monitoring and/or management measures. The data will be used to refine the CSM and assess the need for what other data would be needed for the Detailed Site Investigation stage.
Step 6 **Specify performance or acceptance criteria**	The following assumptions were made in the absence of contrary evidence (i.e., the null hypothesis): • Contamination at the Site currently poses a potential risk to human and/or environmental receptors. The possibility exists of making the following decision errors based on the data obtained during this investigation: • Type 1 error – Deciding the above null hypothesis is false, when it is true • Type 2 error – Deciding the above null hypothesis is true, when it is false. The consequence of making a Type 1 error is more detrimental as it can result in adverse consequences or may include material impact to human and environmental health. The consequence of making a Type 2 error may result in 'over-conservatism' and unnecessary expense of conceptual remediation options. The potential for decision errors was minimised by completing a robust Quality Assurance/ Quality Control (QA/QC) program and by completing an investigation that had an appropriate sampling and analytical density for the purposes of the investigation.
Step 7 **Optimise the design for obtaining data**	Sampling was carried out in accordance with the methodology in Section 5.2, and the design for obtaining data was optimised using the following measures: • Field investigations were carried out by a trained environmental scientist/engineer, under direction of senior staff experienced contaminated land assessment. • Site observations of visual and olfactory evidence of contamination were made at sampling locations. • Sampling was carried out using a combination of judgemental and systematic sampling depending on the identified AEI and CoPC being targeted.

5.2 Sampling Methodology

- The Site has an approximate area of 11,800m^2 and reference to the NSW EPA (2022) Sampling Design Guidelines (Table A) indicates a minimum of 22 sampling locations are suggested to assess a site of this size, subject to the Site history and number/type of AEIs. Due to the number and type of AEIs and likely heterogeneous nature of soils at the Site, the investigation included a combination of judgemental and systematic sampling locations to target specific AEIs. Sampling was undertaken over two mobilisations (mobilisation 1 between 21-25 October 2024 and mobilisation 2 between 30 June to 10 July 2025) using a 4.5 tonne track mounted excavator and a track mounted drill rig to advance test pits and boreholes across the Site.
- Advancement of 36 test pits within fill mounds and below ground surface across the Site to a maximum depth of 3.2m bgl (mobilisation 1)
- Advancement of 12 boreholes to a maximum of 6.0 mbgl, with conversion of 3 boreholes to groundwater monitoring wells and nested gas monitoring wells (mobilisation 2)

- Groundwater monitoring and sampling from the 3 newly installed groundwater wells (mobilisation 2)
- Sediment sampling and surface water monitoring and sampling from 3 locations, located upgradient, mid-adjacent and downgradient
- Subsurface gas monitoring at 3 locations over 3 rounds during mobilisation 2

Sampling locations are presented in Figure 4 and Figure 5, Appendix A. Final test locations were selected based on Site specific constraints including the presence of buried utilities and services.

Table 8 provides an outline of the methodology for sampling locations with respect to AEIs defined in the preliminary CSM (refer to Section 4). Site Areas are described with reference to Figure 2, Appendix A.

Table 8: Investigation Locations

Site Area	Sampling Location	Methodology	Comments
Former Effluent Drying Beds	TP01, TP02, TP03, TP04, TP05	Test pit (excavator)	Targeting AEI2
Known and Potential Burn Pile	TP06, TP07, TP08, TP09, TP10	Test pit (excavator)	Targeting AEI1
	BH01, BH03	Borehole (geoprobe)	Targeting AEI1
WMF/Potential Former Burn Pit	TP12	Test pit (excavator)	General Site area across the WMF, targeting area near AEI3
	BH04, BH05, BH11	Borehole (geoprobe)	Targeting AEI3
WMF Access road	TP11, TP27, TP30, TP31	Test pit (excavator)	General Site area across the WMF, targeting AEI7
	BH02, BH06,BH07, BH09, BH10	Borehole (geoprobe)	General Site area across the WMF, targeting AEI7
Septic/liquid waste system and effluent overflows	TP13, TP14, TP15, TP16, TP17,	Test pit (excavator)	Targeting AEI4
Chemical Shed and Battery Storage	TP18, TP19	Test pit (excavator)	Targeting AEI5
North-western Stockpiling area	TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP29, TP32, TP33, TP34, TP35, TP36, TP37	Test pit (excavator)	Targeting AEI6
Groundwater	BH01/WMFGW01, BH04/WMFGW02, BH10/WMFGW03	Groundwater wells	Targeting groundwater
Surface water	WMFSW01, WMFSW02, WMFSW03	Surface water samples	Targeting surface water
Sediment	WMFSED01, WMFSED02, WMFSED03	Sediment samples	Targeting Sediment

5.2.1 General

The fieldwork component of the DSI was conducted between 21-25 October 2024 and between 30 June-10 July 2025, and included:

- Preparation of a site-specific Safe Working Method Statement to manage and control the risks to SMEC workers and sub-contractors prior to attending Site.
- Each proposed intrusive sampling location was cleared for underground services by an accredited services locator prior to works commencing.
- Prior to sample collection, field personnel washed their hands with soap and rinsed thoroughly with tap water before donning a clean, new pair of disposable nitrile gloves. A new pair of nitrile gloves was worn for each different sampling location.
- Collection of samples from fill material for contamination analysis (adopted method described in Section 5.2).
- Collection of samples from fill material for field analysis using gravimetric method (described in Section 5.2.2.1).
- Collection of 3 groundwater samples from 3 newly installed groundwater monitoring wells (described in Section 5.2.3).
- Collection of 3 surface water and sediment samples from adjacent surface waters (described in Section 5.2.4)
- Hazardous ground gases monitoring from 3 newly installed gas monitoring wells (described in Section 5.2.5)

5.2.2 Soil Sampling

Soil samples were collected from 12 boreholes and 36 test pits across the Site targeting CoPC. The following procedure was adopted for soil sampling:

- Fieldwork on a full-time basis by a trained and experienced environmental scientist in accordance with the SAQP (SMEC, 2024), a task specific SWMS and site-specific environmental control measures adopted for the Site
- Soil samples from test pits and boreholes were collected at the surface (0-0.1m), 0.5m and at approximately 1m intervals thereafter based on the depth of the investigation location. Depths were adjusted to target specific layers (such as changes in stratigraphy, suspect layer/material or zones with visual/olfactory evidence of contamination)
- Samples from test pits were collected from spoil which had not come into direct contact with the excavator bucket
- Soil samples from boreholes were collected directly from dedicated sampling equipment (push tubes). Reusable equipment was decontaminated prior to each use, following procedures detailed in Section 7.1.3
- As far as practicable, test pit spoil was backfilled in reverse order (e.g. deepest material backfilled first) and progressively tamped with the excavator bucket for compaction.
- Each soil sample was collected in clean, laboratory-supplied containers and immediately placed on ice to preserve sample integrity
- All soil samples were collected in duplicate into a separate zip lock bag and field-screened using a photoionisation detector (PID). The PID was calibrated in accordance with manufacturer instructions. Calibration certificates/records are provided in Appendix G.
- Soils were logged using the Unified Soil Classification System (USCS) in general accordance with SMEC Standard Operating Procedures (SOPs). Engineered logs are presented in Appendix D
- Visual and olfactory assessments were conducted on encountered soil material to identify potential contamination indicators, such as staining, odours, buried wastes or suspected ACM contamination.

5.2.2.1 Asbestos Gravimetric method

Gravimetric sampling for asbestos was carried out at test pit locations to assess presence/absence of ACM and friable asbestos (FA) where asbestos is a CoPC. Soil samples were collected as per Section 11 of ASC NEPM 1999 Schedule B2 and WA DoH (2021) guidelines hereafter referred to as the 'gravimetric method' to supplement other observations made at the Site.

The following procedure was adopted:

- A 10-litre soil sample was collected from different stratigraphic layers (or at least one sample within the fill profile) where asbestos (if any) could potentially be located
- The sample was weighed in the field (field wet weight) using a commercially available household scales
- The sample was sieved through a 7mm sieve, the material retained within the sieve was spread out onto plastic tarp, visible ACM fragments (>7mm) (if observed) were collected, placed in a zip locked bag and photographed, the condition of each fragment was recorded as follows:
  - Good condition = suspected ACM in sound condition where the asbestos is bound in a matrix (although possibly broken or fragmented) and would be unlikely to pass through a 7mm x 7mm sieve.
  - Poor condition = ACM in a degraded condition such that it can be broken or crumbled by hand pressure
- Suspected ACM fragments were then submitted to the laboratory for asbestos presence/absence testing
- The weight of asbestos within the ACM was estimated and reported by the laboratory in general accordance with Australian Standard AS4964
- At each soil sampling location, a 500ml sub sample of soil was collected from the spoil which was considered to be representative of the sieved material (not from the sieved material)
- Where suspected ACM is retained in the sieve an additional 500ml sample will be collected from representative spoil and submitted to the laboratory for moisture content analysis. This will be used to estimate the dry weight of soil within the 10L sample
- The concentration of asbestos in soil for bonded ACM will be calculated using the principals of the formula in the WA DoH (2009) Guidelines as per the following equation:

$$Asbestos\ in\ soil\ (\%\ w/w) = \frac{Asbestos\ content\ (\%) \times Bonded\ ACM\ weight(g)}{Soil\ Volume\ (L)\ x\ Soil\ Dry\ Density\ (g/L)}$$

- The asbestos content of ACM was assumed to be 15%, unless the material is of a different nature, in which case asbestos content estimation was requested from the laboratory on selected samples
- The soil weight in the 10L sample which forms the denominator in the above equation (soil volume x soil dry density) was calculated from the field wet weight and the soil moisture content.

5.2.3 Groundwater Monitoring Well Installation and Sampling

5.2.3.1 Groundwater Monitoring Well Installation

SMEC installed three groundwater wells at locations presented in Figure 5, Appendix A using the following method:

- Monitoring wells were installed using a 125mm hollow flight rotary auger to depths as described in Table 9
- All wells were constructed generally as per the 'Minimum Construction Requirements for Water Bores in Australia, 4th ED 2020' (NUDLC, 2020) using Class 18 uPVC casing and machine slotted screens
- 2 new wells was finished with a steel cover at the ground surface which was raised slightly above ground level to prevent surface water ingress and 1 new well was finished with a steel monument cover.
- Each well was developed following installation using dedicated PFAS free bailers by purging minimum of three well volumes from each well or until dry, whichever occurred first

- Following well development Hydrasleeves® were installed within the well to facilitate groundwater sampling
- All re-useable sampling equipment e.g. hollow flight augers, Interface probe etc was subjected to a triple rinse de-contamination procedure detailed within Section 7.1.3
- Details of monitoring well installation are included within Table 9. Logs of the wells and completion details are provided in Appendix D.

Table 9: Well installation details – Groundwater wells

Monitoring well ID	Date installed	Total well depth (m bgl)	Screened interval (m bgl)	Groundwater inflow (m bgl)	Hydrosleeve install Depth (m bgl)
WMFGW01	02/07/2025	5.9	5.9-2.9	4.0	4.5
WMFGW02	01/07/2025	5.9	5.9-2.9	3.9	4.5
WMFGW03	30/06/2025	5.6	5.6-2.6	3.9	4.5

5.2.3.2 Groundwater Monitoring and Sampling

Groundwater monitoring was undertaken on 10 July 2025 from the 3 newly installed groundwater wells presented on Figure 5, Appendix A. Groundwater quality sampling was carried out using the following method:

- An interface probe was used to gauge the depth of standing water level, total well depth and check for the presence of LNAPL and DNAPL (if present)
- The environmental scientist donned a new pair of nitrile gloves to retrieve and collect a sample from the previously installed Hydrasleeves® using the following method:
  - The Hydrasleeves® were retrieved manually from the monitoring bore by pulling the attached string upwards, the act of pulling the sleeve upward resulted in the check valves opening at the top of the Hydrasleeves® and allowed the capturing of water within the monitoring bore screen (representative of the target formation).
  - The Hydrasleeves® were then removed via the bore head and were suspended above the ground surface (as opposed to e.g., laying on ground) to avoid cross contamination.
  - A dedicated sampling ‘straw’ was then used to pierce the Hydrasleeves® and the laboratory provided sample bottles were then directly filled via the straw. This procedure allowed the groundwater to drain from the Hydrasleeves® directly to the sample bottles with minimum agitation. Samples for dissolved heavy metals analysis were field filtered using dedicated 0.45-micron filters using new, dedicated syringes.
  - Following the filling of samples containers, remaining water within the Hydrasleeves® was directed into a separate sample pot and a calibrated water quality meter was used to measure groundwater water quality parameters.
  - Observations of water colour, clarity and odour were also recorded for the groundwater sample captured by the Hydrasleeves® at each location.
- Groundwater monitoring field records are presented in Appendix D with calibration certificates provided in Appendix G.

5.2.4 Surface Water and Sediment Sampling

5.2.4.1 Surface Water Monitoring and Sampling

Surface water samples were collected from adjacent surface water body at three locations considered to represent locations that are upgradient, cross gradient and down gradient from the Site. The surface water locations were sampled to assess risk to offsite receptors. Sampling protocols were carried out in accordance

with industry standard quality assurance and quality control program. Surface water sampling procedure is summarised below:

- Samples were collected by trained and experienced environmental field personnel
- Samples collected and stored in appropriately persevered clean laboratory supplied bottles
- Sample bottles were labelled with date, time and location ID and placed in ice-chilled eskies
- Surface water samples were collected using direct grab sampling techniques, with care to avoid artificial disturbance to water quality (i.e. minimising disturbance to dam/waste water pond bed sediments). Surface water samples analysed for heavy metals were not field filtered, thus represented 'total metals' concentrations.

Surface water monitoring field records are presented in Appendix D with calibration certificates are provided in Appendix G.

5.2.4.2 Sediment Sampling

Sediment samples were collected from adjacent surface water body at three locations considered to represent locations that are upgradient, cross gradient and down gradient from the Site. The surface water locations were sampled to assess risk to offsite receptors collected three (3) sediment samples The following procedure was adopted for sediment sampling:

- A visual assessment was made of encountered sediment material for the potential presence of contamination indicators such as staining or odours
- Prior to sample collection, any personnel that handled decontaminated soil sampling equipment that directly contacted the environmental media sampled washed their hands with soap and rinsed thoroughly with tap water before donning a clean, new pair of disposable nitrile gloves. A new pair of nitrile gloves was worn for each sample
- Samples were collected at the surface (0-0.1m)
- Each sediment sample was collected within correct appropriate laboratory-supplied containers and placed immediately on ice, with acid sulfate samples being frozen within 24 hours of sampling. Each soil sample for contamination testing was collected within clean laboratory-supplied 250 ml containers (glass jars with Teflon lined lids) and PFAS containers (Teflon free).
- Samples for acid sulfate were collected by wrapping sample in plastic and squashing with hand pressure before placing into a zip lock bag with the air expelled before sealing
- Surface samples were collected using direct grab sampling methods directly from the ground surface
- Sediments were logged using the Unified Soil Classification System (USCS) in general accordance with SMEC Standard Operating Procedures (SOPs).

5.2.5 Gas Monitoring Well Installation and Sampling

5.2.5.1 Gas Monitoring Well Installation

SMEC installed three gas wells at locations presented in Figure 5, Appendix A to assess the potential for the accumulation of hazardous ground gases beneath the WMF structure (AEI3), beneath the known burn pile (AEI1) and adjacent to the compost waste stockpile area in the north-west portion of the Site (AEI6) using the following method:

- Gas monitoring wells were installed using a 125mm hollow flight rotary auger to depth.
- All wells were constructed generally as per the 'Minimum Construction Requirements for Water Bores in Australia, 4th ED 2020' (NUDLC, 2020) using Class 18 uPVC casing and machine slotted screens
- 3 new wells were finished with a steel cover at the ground surface which was raised slightly above ground level to prevent surface water ingress.

- All re-useable sampling equipment e.g. hollow flight augers, Interface probe etc was subjected to a triple rinse de-contamination procedure detailed within Section 7.1.3
- Details of monitoring well installation and logs of the wells and completion details are provided in Appendix D.

Table 10: Well installation details – Gas wells

Monitoring well ID	Date installed	Total well depth (m bgl)	Screened interval (m bgl)
WMFSV01	02/07/2025	3.5	3.5-0.5
WMFSV02	01/07/2025	3.5	3.5-0.5
WMFSV03	30/06/2025	3.5	3.5-0.5

5.2.6 Subsurface Gas Monitoring

Subsurface gas measurements were undertaken at the newly installed gas monitoring wells on 4, 8 and 10 July 2025 using a calibrated gas meter (Instrument IDL Geotechnical Instruments GA5000, serial no. GA507839).

Subsurface gas measurements were collected by the following methods:

- Wells were monitored by attaching a calibrated gas analyser directly to a fitted well Excap and quick-fit attachment on gas monitoring wells.
- Relative pressure (mB) and flow rate (L/hr) were measured prior to collecting gas readings. Peak and stabilised readings were recorded after continuous measurement for at least 3 minutes.

Gas monitoring field records are presented in Appendix H, with calibration certificates are provided in Appendix G.

5.3 Laboratory Testing

All primary, intra-laboratory and inter-laboratory duplicate samples were sent to Eurofins Environment Testing (Girraween) with accompanying Chain of Custody (CoC) documentation. Inter laboratory samples were sub-dispatched to SGS Australia (Alexandria) or ALS Australia (Smithfield) by the primary laboratory. Samples were selected for analysis based on the observations in the field and analysed for the respective CoPC. Both laboratories are accredited by the National Association of Testing Authorities Australia (NATA) for the tests to be performed. A summary of testing quantities is provided in Table 11.

Table 11: Summary of testing quantities

Media	Analysis	Number of primary samples
Soil	TRH, BTEX, Heavy metals, PAHs	92
	OCP/OPP/PCB	92
	VOC/SVOC	41
	Nutrients (total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P)	55
	Microbial Organisms	60
	PFAS	78
	TCLP Metals, PAH, PFAS and Nutrients	21
	TRH Silica Gel cleanup	1
	Asbestos (NEPM or presence/absence)	35
	Australian Standard Leachate Procedure (ASLP) total phosphorus, total nitrogen and total ammonia	4

Media	Analysis	Number of primary samples
	Toxicity Characteristic Leaching Procedure (TCLP) and ASLP for PFAS	5
	ASLP copper	2
	TCLP and ASLP nickel	4
	TCLP and ASLP zinc	4
	TCLP and ASLP arsenic	1
	TCLP and ASLP lead	1
	TRH silica gel cleanup	1
	pH Field Screen	20
	CRS and SPOCAS	6
Groundwater /Surface water	TRH, BTEX, PAHs, Heavy metals (total and dissolved)	6
	OCP/OPP/PCB	6
	VOC/SVOC	6
	Nutrients (total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P)	6
	PFAS	6
Sediment	TRH, BTEX, PAHs, Heavy metals (total and dissolved)	3
	OCP/OPP/PCB	3
	VOC/SVOC	3
	Nutrients (total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P)	3
	PFAS	3

6. Assessment Criteria

6.1 General

Evaluation against assessment criteria is used to identify levels of contamination that may pose ecological or health risks to potential receptors or future users of the Site. The National Environment Protection (Assessment of Site Contamination) Measure (NEPM) was first published in 1999 and updated in 2013 by the National Environment Protection Council (NEPC) and provides national standards for a variety of environmental issues, including the assessment of Site contamination in Schedule B (1) Guideline on Investigation Levels for Soil and Groundwater.

The NEPM requires consideration be given to Health-based Investigation Levels (HIL), Health-based Screening Levels (HSL), Ecological Investigation Levels (EIL), Ecological Screening Levels (ESL), Management Limits, asbestos criteria and aesthetic issues.

Additional guidance has been sought from other guidelines endorsed by NSW EPA or generally industry accepted guidance, including:

- Friebel and Nadebaum (2011) CRC Care Technical Report No. 10 – Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater.
- PFAS National Environmental Management Plan Version 3.0, Heads of EPA Australia and New Zealand 2025.

The following outlines the rationale for the selection of the appropriate levels for the DSI.

6.2 Soil Assessment Criteria

6.2.1 Health Investigation Levels (HILs) and Health Screening Levels (HSLs)

Health investigation levels (HIL) are scientifically based, generic assessment criteria designed to be used in the first stage (Tier 1 or 'screening') of an assessment of potential risks to human health from chronic exposure to contaminants. They are intentionally conservative and are based on a reasonable worst-case scenario for four generic land use settings.

- HIL A – residential with garden/accessible soil (home grown produce <10% fruit and vegetable intake, (no poultry), also includes children's day care centres, preschools and primary schools
- HIL B – residential with minimal opportunities for soil access includes dwellings with fully and permanently paved yard space such as high-rise buildings and flats
- HIL C – public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and footpaths. It does not include undeveloped public open space (such as urban bushland and reserves) which should be subject to a site-specific assessment where appropriate
- **HIL D – commercial/industrial such as shops, offices, factories and industrial sites.**

Adopted human health site assessment criteria were sourced from NEPM (2013) Schedule B1. Given human exposure is likely to be limited to site staff, visitors, and construction or maintenance workers, HIL D 'commercial/industrial' criteria has been adopted as initial assessment criteria.

Health Screening Levels (HSLs) for petroleum hydrocarbons are available from ASC NEPM (2013) and CRC Care (Friebel E and Nadebaum P, 2010). These references provide HSLs for vapour intrusion for soil at various depth ranges. CRC Care also provides HSLs for direct contact and for vapour intrusion for intrusive maintenance worker (shallow trench). Criteria relevant to the soil types encountered during investigation works will be adopted for this assessment.

PFAS criteria has been sourced from PFAS NEMP V3.0 2025 Table 5 Human health investigation levels for soil - Commercial/Industrial (HIL D).

6.2.2 Ecological Screening and Investigation Levels (EILs/ESLs)

EILs and ESLs are relevant where ecological receptors are likely to be present and exposure pathways are complete. While Lord Howe Island is an ecologically significant location, the site is proposed to continue usage as a waste management facility, with limited onsite receptors. As such, the following ecological soil assessment criteria will be used for the soil assessment:

- NEPM (1999) Table 1B (1) to 1B (5) Ecological investigation levels (EILs) – Commercial/Industrial – Generic EILs.
- NEPM (1999) Table 1B (1) to 1B (5) Ecological investigation levels (EILs) – Commercial/Industrial– Site-specific EILs.
- NEPM (1999) Table 1B (6) Ecological screening levels (ESLs) – Commercial/Industrial.
- PFAS NEMP (2025) Table 6 Ecological guideline values for soils – Ecological indirect exposure.

EILs apply principally to contaminants within the top 2m of soil at the finished surface/ground level, which corresponds to the root zone and habitation zone of many species. In general, the toxicity of soil contaminants (both organic and inorganic) will reduce or age over time to a lower and more stable level by binding to various soil components and decreasing their biological availability. For the purposes of site specific EIL derivation, a contaminant incorporated in soil for at least 2 years is considered to be 'aged'. Based on the preliminary conceptual site model, it is considered that the use of site specific EIL criteria applying to 'fresh' contamination is most appropriate for this Site as it continues to operate as a WMF.

For assessment against EILs, soil analytical results will be compared with the NEPM (2013) Generic EILs to assess potential risks to current and future ecological receptors at the site for selected analytes (arsenic, lead and naphthalene). For other analytes (including copper, chromium, nickel and zinc) site specific EIL criteria were derived using the NEPM (2013) ASX toolbox. The Site-specific EIL physiochemical parameter values are summarised in Table 12, calculated criteria are presented in Table 13 below. In the absence of ambient background concentrations, we have conservatively assumed these to be zero.

Table 12 Physiochemical parameters to calculate Site-specific EILs.

Sample Name	pH	Cation Exchange Capacity (CEC) (meq/100g)	Total Organic Carbon (TOC) (%)
EIL (2024)	7.3	41	3.5
BH02_0.1 (2025)	8.7	24	1.7
BH10_0.7 (2025)	8.6	24	0.3
Average	**8.2**	**30**	**1.8**

Table 13: Calculated site specific EILs (Aged Contamination) Commercial/Industrial

Chromium (III)	Copper	Nickel	Zinc
mg/kg	mg/kg	mg/kg	mg/kg
190	180	230	600

6.2.3 Asbestos Criteria

The adopted Site screening level in accordance with NEPM (2013) includes no visible asbestos for surface soil. The adopted assessment criteria for this Site will be NEPM (1999) HIL D 'commercial/industrial' for areas where gravimetric sampling is carried out:

- Bonded ACM: 0.05% w/w
- Asbestos fines and friable asbestos: 0.001%w/w
- No asbestos at the ground surface.

6.2.4 Faecal Coliforms, E. coli

The adopted site screening level for faecal Coliforms, E. coli has been adopted from the Use and Disposal of Biosolids Products (1997), Table 3-5, Stabilisation Grade A Microbiological Standards (NSW EPA 2000):

- E. Coli – 100 MPN/g
- Faecal Coliforms – 1000 MPN/g.

6.2.5 Aesthetic Criteria

Aesthetic criteria are generally not considered relevant for a commercial/industrial land uses and as such will generally not be adopted for this assessment. Consideration of aesthetic may be required should materials be reused as visual barriers surrounding the WMF in the design.

6.3 Groundwater Criteria

6.3.1 General

NSW EPA (2007) Guidelines for the Assessment and Management of Groundwater Contamination indicate that legislation and published policies in NSW articulate key principles for assessing and managing groundwater contamination. These include the principles of ecologically sustainable development, which require the effective integration of economic, social and environmental considerations in decision-making.

Based on the preliminary conceptual site model, values requiring protection with respect to groundwater are considered to be human health (vapour intrusion and direct contact) and downgradient ecological receptors (marine ecosystems).

SMEC consider that groundwater beneficial users are unlikely considering the following:

- The Site is located directly adjacent to Prince William Henry Bay, the likely groundwater receiving water body
- Registered groundwater bores are considered to be upgradient of the site

Comparison of water samples analytical results to drinking water criteria is therefore omitted from this assessment.

6.3.2 Health Criteria – Vapour Intrusion

Health Screening Levels (HSLs) for petroleum hydrocarbons are available from ASC NEPM (NEPC 2013) and CRC Care, Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater (Friebel E and Nadebaum P 2010).

These references provide HSLs for groundwater at various depth ranges but assume groundwater to be greater than 2m below ground level. Considering the proposed redevelopment is remaining as a waste management facility, and that human exposure is likely to include site workers, and construction or maintenance workers, the groundwater HSL D 'commercial/industrial' criteria will be adopted for the site.

For contaminants such as volatile halogenated compounds where published Tier 1 screening levels are not available for Australian conditions, the laboratory limit of reporting have been used as an initial screening criteria.

The NHMRC 2011 recreational water quality and aesthetics guidelines will also be adopted for this assessment given the proximity to Prince William Henry Bay.

6.3.3 General Ecological Criteria

The Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, August 2018), default guideline values (DGVs) were adopted for the Site as preliminary (i.e. Tier 1) assessment criteria, that is, levels above which further assessment may be required. The following was considered for this Site:

- Default Guideline Values for toxicants applying to 'marine' aquatic ecosystems were considered most applicable for the Site
- Based on the sensitive ecological setting of the site, the 99% level of species protection applying to high ecological/conservation value system is considered applicable for conservative initial screening.
  - The low-reliability trigger values outlined in The Australia and New Zealand Environment and Conservation Council (ANZECC) were used for contaminants that did not have 99% DGVs
- The ANZG (2018) have not yet published default guideline values for Physical and Chemical Stressors for all Australian waters and bioregions (http://waterquality.gov.au/anz-guidelines/your-location/australia-inland). Therefore, this assessment adopts the previous ANZECC & ARMCANZ (2000) Default trigger values for physical and chemical stressors for south-east Australia for slightly disturbed marine ecosystems
- ANZG (2018) ECC & ARMCANZ (2000) have not published guidelines for total petroleum hydrocarbons or total recoverable hydrocarbons in groundwater. For this assessment, the laboratory limits of reporting will be adopted as initial screening criteria.

6.3.4 Ecological Criteria – PFAS

The PFAS National Environmental Management Plan (Version 3.0 –2025) was published by the Heads of EPAs Australia and New Zealand. The scope of the NEMP includes a framework to manage the prioritisation of sites, environmental guideline values, contaminated site assessment, and proposed remedial, management and other treatment measures. In accordance with the NEMP, environmental guideline values have been adopted for this Site as PFAS preliminary contamination assessment criteria.

As PFAS is a contaminant of potential concern, the adopted assessment criteria were sourced from the PFAS NEMP (2025) to adhere to the precautionary principal (refer to Table 14 for further details):

- Table 14 Ecological water quality guideline values developed by health regulators – SMEC consider that the Interim Marine 99% criteria for species protection within a high conservation value system is considered appropriate for the receiving environment.

Table 14: Ecological guideline values for water, PFAS NEMP (2020)

Criteria	PFOS	PFOA
99% species protection – Interim Marine: high conservation value system	0.00023 µg/L	19 µg/L

6.4 Surface Water Criteria

Surface water criteria was selected using the Guidelines for Risk in Recreational Water NHMRC 2011. The calculation based on Mance et al. (1984) suggestions that recreational water makes a minor contribution to intake, equivalent to 10% of drinking water consumption. This assumes an ingestion of 0.2 L of recreational water per day based on assumed consumption of 2 L of drinking water per day according to the World Health Organisation (WHO). Therefore a recreational water guideline value can be calculated by multiplying the Australian Drinking Water Guideline (ADWG) value by 10. This calculated value assumes a daily lifetime exposure and therefore is conservative.

6.5 Sediment Criteria

The Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, August 2018) default guideline values (DGVs) for marine sediment were adopted for the Site as a preliminary (tier 1) assessment criteria that is levels above which further assessment may be required. The PFAS NEMP (2025) Table 6 ecological guideline values for soils were adopted as a screening criteria for sediment.

6.6 Subsurface Gas Criteria

The NSW EPA (2019) Assessment and management of hazardous ground Gases states the threshold for further investigation and corrective action are detection of methane concentrations above 1% (v/v) and carbon dioxide at concentration of 1.5% (v/v) above established natural background levels. The State of the Climate 2024:Bureau of Meteorology state that the global average mean carbon dioxide concentration is 416 part per million representing a background concentration of 0.0416%. SMEC has therefore adopted 1.5416% as the investigation criteria for carbon dioxide.

7. Quality Assurance and Quality Control plan

The following quality assurance and quality control (QA/QC) plan was adopted for the work in general accordance with the Assessment of Site Contamination – National Environment Protection Measure 2013.

7.1 Field QA/QC

Sampling of soils, groundwater, surface water and sediment was carried out by trained and experienced environmental staff using sampling protocols which minimise potential cross contamination occurring in between sampling locations.

7.1.1 Sample Handling, Storage and Transportation

Samples were stored in appropriately preserved sample containers provide by the laboratory. All sample jars, bottles and bags were immediately placed into an ice-filled chest to maintain the samples below the recommended preservation temperature of less than 6°C for the duration of fieldwork.

All samples were promptly transported to the laboratory with relevant Chain of custody (CoC) documentation. The CoC form was completed with the sample names, sampling date and required analyses.

Samples were sent to the laboratory and analysis was requested within the prescribed analyte holding times. The following non-compliance was noted:

- Elevated sample temperatures of 18.5 degrees Celsius (°C) (primary batches 1153612 and 1154982) and 16.5°C,10.8°C and 12.6°C in inter-laboratory (batch SE273243, ES2520523 and ES2521567) were recorded above the recommended preservation temperature of 6.0°C. The elevated temperature for the batches are considered to be attributed to delays in transport between the Island and the mainland, the Sample Receipt Notices confirmed that samples were received with 'ice present' or evidence of an "attempt to chill", hence this is not anticipated to alter the findings of this assessment. The elevated temperatures recorded in the batches is likely to have occurred during the extended transportation times experienced by samples.
- Extraction holding time for nitrogen analytes were exceeded due to the extended transport times required to facilitate sample delivery to mainland laboratories

7.1.2 Documentation

CoC documentation was signed and dated by the laboratories, and laboratory Sample Receipt Advice was provided stating that:

- All samples have been received as described on the above CoC with the exception of the following:
  - Only an acid sulfate sample was received for BH07_3.0, field records confirms that only an acid sulfate sample was collected at BH07_3.0
  - No microbial jar was received for BH10_0.2, field records confirms that no microbial jar was collected at BH10_0.2
- 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.

Copies of all laboratory documentation is presented in Appendix F.

7.1.3 Equipment Decontamination

Reusable sampling equipment with the potential to cross contaminate samples (e.g. interface probe), were decontaminated using a triple- wash procedure; that is, washed in diluted Liquinox (PFAS free) detergent solution, rinsed in potable water and then rinsed in distilled water. At a minimum, equipment decontamination was undertaken prior to use, in between each sample, at the end of each day and prior to equipment return to suppliers.

To prevent cross-contamination between sample locations the following practices were adopted:

- Samples for contamination testing during test pitting were collected from soils which had typically not contacted the excavator bucket (test pits), where possible.
- Samples for contamination testing during borehole advancement were collected from dedicated liners
- Groundwater samples were collected using dedicated sampling equipment and any reusable sampling equipment was washed using a triple wash procedure
- Surface water sampling were collected using direct grab sampling techniques using dedicated clean laboratory supplied sampling equipment
- Sediment samples were collected using direct grab sampling techniques using dedicated clean laboratory supplied sampling equipment

One rinsate blank sample (designated Rinsate01) was collected from reusable sampling equipment interface probe) to confirm effective equipment decontamination. Rinsate samples were obtained by running laboratory grade distilled/de-ionised water over decontaminated sampling equipment to test for residual contamination. The blank water was collected in sample containers for analysis. The rinsate sample was treated in the same manner as other samples collected during the investigation.

Equipment rinsate sample (Rinsate01) taken from the interface probe in Eurofins batch 1243905 returned detectable concentrations of ammonia as N at 2x the LOR and PFOS at the limit of reporting during groundwater and surface water sampling. The source of the detections is not known, and these may have originated from ineffective equipment decontamination or from within the rinsate water itself.

SMEC considers rinsate detects to be minor and unlikely to indicate potential cross contamination to have occurred based on the following:

- Potential for cross contamination was minimised between groundwater sampling locations, noting decontamination procedures were implemented in between well installations and well development (refer to Section 7.1.3).
- Groundwater sample concentrations at these locations recorded detection in other nutrients and PFAS components, suggesting the presence of these contaminants in groundwater. Remaining nutrients and PFAS components were not detected in the rinsate01 suggesting a low potential for cross contamination to have occurred.

Table E9, Appendix E presents the results of equipment rinsate collected during soil and groundwater sampling.

7.1.4 PFAS Protocols

The following additional protocols were adopted due to samples requiring analysis for PFAS:

- Prior to sampling, the sampling personnel washed their hands with plain soap and rinsed thoroughly in tap water before donning a clean, new pair of disposable nitrile gloves
- All monitoring well gear was new, unused with original seals and original undamaged wrapping
- Field clothes – were not new (i.e. had been washed minimum of six times)
- No stain resistant, water resistant/waterproof coatings or treated fabric was used
- No Teflon products were used

- No fast-food wrappers, pre-wrapped foods (only rigid plastic or stainless-steel containers) were permitted on Site
- No aluminium foil was permitted to be used
- No 'post it' notes were permitted to be used
- No reusable chemical ice packs were permitted to be used
- PFAS free sunscreen was used.

The following non-compliance was noted:

- Samples Receipt Advice/Notifications for batch SE273243, ES2520523 and ES2521567 indicate that samples sent to the secondary laboratory were submitted along with ice-bricks. Ice bricks are preferred not to be used as it is unknown if PFAS could be present. Ice bricks are frozen generally well intact. PFAS results correlated well with the primary and field triplicate sample and is unlikely to change the interpretation of the data.

7.1.5 Equipment Calibration

Monitoring equipment (PID and water quality meter) used to collect data were calibrated and/or serviced at regular frequency in accordance with manufacturers recommendations. Copies of calibration certificates are included in Appendix G.

7.1.6 Field Blank, Trip Blank and Spike Samples

Laboratory prepared soil and water trip spike and trip blank samples were stored in ice chilled chests together with samples collected during soil and water sampling and analysed for volatile TRH, BTEXN and PFAS (field blank only). The results were below the reporting limits for trip blanks and within acceptance criteria (70-130%) for trip spikes.

A PFAS field blank (PFAS Blank01) was collected in the field and stored with primary samples in an ice chilled chest. The results were below the laboratory reporting limits. A summary of the PFAS Blank results is presented in Table E9, Appendix E.

A summary of these results is presented in Table E10, Appendix E for soils and Table E11, Appendix E for waters.

7.1.7 Field Duplicate Samples

Duplicate samples were selected for analysis and are summarised as follows:

Soil:

- Six (6) intra-laboratory and inter-laboratory duplicate pairs (12 duplicates in total) were analysed for chemical attributes from a total primary sample set of ninety-two (92) primary samples. The duplicate analysis frequency for chemical attributes was 6% inter-laboratory and 6% intra-laboratory duplicates which meets DQOs stated in Table 7

Water:

- One (1) intra-laboratory and inter-laboratory duplicate pairs (2 duplicates in total) were analysed for chemical attributes from a total primary sample set of six (6) primary samples. The duplicate analysis frequency for chemical attributes was 16% inter-laboratory and 16% intra-laboratory duplicates which meets DQOs stated in Table 7

Sediment:

- One (1) intra-laboratory and inter-laboratory duplicate pairs (2 duplicates in total) were analysed for chemical attributes from a total primary sample set of (3) primary samples. The duplicate analysis frequency for chemical attributes was 33% inter-laboratory and 33% intra-laboratory duplicates which meets DQOs stated in Table 7

Primary and corresponding duplicate samples are summarised in Table 15. Intra-laboratory samples were analysed with the primary laboratory (Eurofins Environment Testing) and the inter-laboratory sample was analysed with the secondary laboratory SGS Australia in mobilisation 1 and ALS in mobilisation 2.

Table 15: Quality control duplicate samples

Media	Primary Sample	Quality control sample	QA Sample Laboratory
Soil	TP27/0.1	QA1	Eurofins
		QA1A	SGS
	TP16/0.1	QA2	Eurofins
		QA2A	SGS
	BH10_0.1	QA01	Eurofins
		QA01a	ALS
	BH09_0.1	QA02	Eurofins
		QA02a	ALS
	BH02_0.1	QA03	Eurofins
		QA03a	ALS
	BH03_0.1	QA04	Eurofins
		QA04a	ALS
Water	WMFSW03	SWQA01	Eurofins
		SWQA01a	ALS
Sediment	WMFSED03	SEDQA01	Eurofins
		SEDQA01a	ALS

Duplicate samples were collected and tested for each analyte to assess precision in field sampling techniques and laboratory methods. Duplicate samples (comprising both inter and intra-laboratory) were analysed at a frequency of 1 in every 20 samples as recommended in Schedule B3 of the NEPM (Guideline on Laboratory analysis of potentially contaminated soils). Duplicates comprised both inter, and intra-laboratory duplicates were collected for soil and water samples collected as part of the overall Project.

Table E7, Appendix E presents the duplicate relative percentage difference during soil sampling.

Table E8a, Appendix E presents the duplicate relative percentage difference during water sampling.

Table E8b, Appendix E presents the duplicate relative percentage difference during sediment sampling.

7.1.8 Relative Percentage Difference

Relative precent differences (RPD) were calculated using the method in Section 8.2.6 of AS4482.1-2005. Table E7, E8a and E8b, Appendix E includes RPDs for soil, water and sediment. In general RPDs met the DQO/DQIs, with the exception of:

- Soil field duplicate RPDs above the adopted control limits were reported as follows:
  - Metals
    - RPD of 75% for copper was recorded between primary sample BH09_0.1 and intra laboratory duplicate QA02
    - RPD pf 184% for zinc was recorded between primary sample BH09_0.1 and intra laboratory duplicate QA02a
  - PFAS

    - RPDs of 55% for Sum of PFHxS and PFOS and 64% for Sum of PFAS (WADER List) was recorded between primary sample BH10_0.1 and inter-laboratory duplicate QA01a
- Water field duplicate RPDs above the adopted control limits were reported as follows:
  - Inorganics
    - A RPD of 70% for ammonia as N was recorded between primary sample WNFSW03 and inter-laboratory duplicate SWQA01a
- Sediment field duplicate RPDs above the adopted control limits were reported as follows:
  - Inorganics
    - A RPD of 126% for total phosphorous was recorded between primary sample WMFSED03 and intra-laboratory duplicate SEDQA01
- All other RPDs were within adopted control limits

SMEC considers this acceptable due to the heterogeneous nature of fill materials in soils observed at the Site, the non-uniform distribution of inorganics within sediments, the nature of the surface water body being in a constant state of flux (waves) and the slight differences between inter-laboratory and intra-laboratory analysis procedures and extraction times experienced by the samples.

7.2 Laboratory QA/QC

7.2.1 Methods

The laboratory used NATA accredited testing procedures. Analytical methods were in accordance with NEPM (2013) testing procedures. Refer to Appendix F for details on the analytical techniques.

7.2.2 Spikes, Blanks and Duplicates

Outliers in laboratory performed blanks, matrix spikes, surrogate spikes, laboratory control samples and duplicates are summarised below:

- In batch 1153612, RPDs ranging between 32-92% were recorded for heavy metals (As, Cd, Cr, Cu, Pb, Ni and Zn) above the laboratory adopted control limit of 30% between primary and duplicate soil samples indicating sample heterogeneity as the cause
- Several RPDs which recorded above laboratory acceptance limits have been disregarded where sample concentrations were less than 10 times the laboratory limit of reporting
- In batch 1240933, spike recoveries ranged between 13-2000% for benzo(b&j)fluoranthene, phosphorus, iron outside the laboratory acceptance limits of 70-130% however the lab noted the following for the analytes:
  - For benzo(b&j)fluoranthene an “acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
  - For iron “the matrix spike concentration is less than five times the background concentration in the sample – therefore he spike recovery cannot be determined
  - For phosphorus “failures of the matrix spike due to the presence of analytes(s) in the parent sample at >3x the spike concentration”
- In batch 1240933, RPDs ranging between 31-99% for heavy metals (iron, copper, lead and phosphorus) and conductivity were above acceptance criteria however the lab noted the following for the analytes
  - For phosphorus and copper that “further analysis indicates sample heterogeneity as the cause
  - For copper, lead and conductivity the “RPD reported passes Eurofins Environment Testing’s QC – Acceptance Criteria as defined by internal quality control”
- In batch 1243905:

  - Sediment spike recovery for zinc 45% was outside the laboratory acceptance limits of 75-125% however the lab noted that “an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference”
  - Sediment RPDs ranging between 56-200% for PFHxS and 6:2 FTSA were above acceptance criteria however the lab noted that the “RPD reported passes Eurofins Environment Testing’s QC – Acceptance Criteria as defined by internal quality control”.
- In batch 1243905:
  - Water spike recovery for zinc 70% was outside the laboratory acceptance limits of 75-125% however the lab noted that “an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference”.
  - Water RPD for chromium 200% was above acceptance criteria however the laboratory noted that the “RPD reported passes Eurofins Environment Testing’s QC – Acceptance Criteria as defined by internal quality control”.
- In batch 1244133:
  - RPDs for TRH fractions ranged between 33-53% above acceptance criteria however the laboratory noted that for the majority of the analytes “further analysis indicated heterogeneity as the cause”. Other TRH fractions passed Eurofins internal quality control acceptance criteria
  - Spike recovery for zinc 165% % was outside the laboratory acceptance limits of 75-125% however the lab noted that “the matrix spike concentration is less than five times the background concentration in the sample – therefore the spike recovery cannot be determined”.
- In batch ES2520523:
  - spike recovery ranging between 111-122% for pentachloronitrobenzene and lindane were outside acceptance limits of 56-110% (61-117% for lindane)
  - the spike recovery for PFOS could not be determined due to the background level greater than or equal to 4x spike level
- In batch ES2521566:
  - Spike recoveries ranging between 35-106% were outside acceptance limits for 2.4-dimethylphenol, 4-nitroquinoline-N-oxide, bis(2-chlorethyl)ether and aniline
  - Spike recoveries count not be determined in ammonia as N and total Kjeldahl nitrogen as N due to background level greater than or equal to 4x the spike level
  - Surrogate recoveries ranging between 39-126% were outside acceptance limits for VOC, PAH and TPH/BTEX surrogates

7.2.3 Laboratory Limit of Reporting

All laboratory limits of reporting were below the adopted assessment criteria.

7.3 QA/QC decision error limits

There are two main sources of potential errors:

- Sampling errors, which occur when the samples collected are not representative of the conditions within the investigation area
- Measurement errors, which occur during sample collection, handling, preparation, analysis and data reduction.

Appendix C includes a list of the data quality indicators and compliance.

The types of decision errors are outlined within Table 7. The potential for decision errors was minimised by completing a robust QA/QC program and by completing an investigation that has an appropriate sampling and analytical density for the purposes of the investigation.

7.4 QA/QC Summary

Based on our assessment of field and laboratory quality control, we consider the data to be suitable for the purposes of this investigation, noting the following:

- For this investigation, slightly elevated sample temperatures are not considered to affect the useability of the sample data for purposes of precision assessment.
- Some variability in concentrations could be expected due to the heterogeneous nature of contaminant distribution in soil for heavy metals.
- Some variability in concentrations could be expected in surface water and sediment for inorganics due to heterogeneity.
- Some variability in concentrations of inorganics could be expected in surface water due to the nature of the water body being in a constant state of flux (waves)
- Some variability in concentrations of inorganics could be expected due to the slight differences between inter-laboratory and intra-laboratory analysis procedures and extraction times experienced by the samples.

8. Field and Laboratory Results

8.1 Field Observations

Observations made during the fieldwork component of the DSI were consistent with those recorded during the Site investigation conducted as part of the SAQP (SMEC, 2024). A summary of relevant observations is as follows:

- The Site layout consists of a single entry, with access road through the central line of the Site. The WMF building is within the central portion of the Site, with the septic treatment system and chemical shed directly adjacent to the north, as shown on Figure 2, Appendix A
- Onsite activities are with reference to AEIs are summarised in Table 16 below:

Table 16: AEI Field Observations

AEI	Field Observation
AEI1: Burn Pile and surrounds	Potential asbestos containing material, as well as wastes including, household refuse, glass, aluminium, pallets and green waste associated with the WMF operations outlined in 2.2. It is understood the levee surrounding the burn pile was constructed in 2009, and consists of crushed glass, soils and some waste materials. This material was applied to land under the previous Environment Protection Licence (EPL), which was allowable, prior to the creation of the current EPL in 2014. The levee was constructed to separate the burn pit from the adjacent dunes and potentially extended a further 70 metres to the south-east (Figure 3). A large vegetation stockpile was also present within the burn pile area
AEI2: Former Effluent Drying Beds	To the north of the entry road, former effluent drying beds (AEI2) were observed. Indicators of recent effluent discharge were not present upon observation, with vegetation within this area appearing healthy. Odours were not noted during the inspection
AEI3: WMF Building and Former Burn Pit	The WMF building (AEI3) within the central portion of the site appeared to be generally well kept, with limited staining observed on the sealed floor surfaces. Staining, attributed to cooking oils and potentially hydraulic fluids were observed adjacent to the drain and sump within the southern portion of the building, which is understood to discharge to the liquid waste / septic underground storage tank (UST), adjacent to the north. Anecdotal evidence that a former burn pit had been present beneath the WMF building, however was subsequently removed and backfilled with clean sand, was provided during the inspection. Activities undertaken within the WMF are understood to include: – Operation of the glass crusher for recycling – Operation of the cardboard processor for subsequent stockpiling – Disposal of sanitary items – Sorting of household waste goods – General administration within the WMF office
AEI4: Septic Treatment Area	Three operational and multiple disused aboveground storage tanks (ASTs) with a combined volume of approximately 15,000 L, a polymer dosing system and underground effluent waste tank are present within the septic treatment area to the north of the WMF building. The area appears to have been raised with fill to allow a slight gradient to the former and

AEI	Field Observation
	current drying areas to the south east and north respectively. It is inferred due to surrounding levees that overflows remain Onsite in the effluent treatment system and occur semi-regularly within this area
AEI5: Chemical Shed	The Chemical Shed was observed to contain differing liquid wastes of unknown type or concentration in 10-20 1000L intermediate bulk containers (IBCs), used oil filters, used cooking and engine oil and paint waste. The shed was observed to have a heavily stained hardstand floor, with the associated bund and surrounding soils also observed to be heavily stained, with overflows apparent. A section of used car batteries on a pallet over unsealed ground was also observed adjoining the shed
AEI6: Historical Stockpiling and mounds including concrete stockpile	Multiple areas of stockpiles, both current materials and formerly disposed were observed across the site. These include: – A glass stockpile of approximately 7 m^3 adjacent to the southern side of the WMF building – Historical, vegetated stockpile mounds adjacent to the south-western (bay side) boundary from the burn pile to the northern site boundary (approx. 150 metres), which are understood to contain former composted material, however this has not been confirmed – A large vegetation stockpile within the burn pile area of approximately 25 m^3 – An area of sorted green and compost wastes, within bays along the north-western boundary – A mound along the northern boundary approximately 20 m long, 10 m wide and 4 m high, which appears to contain a mixture of compost and demolition wastes (AEI6) – A large stockpile approximately 10 m long 5 m wide and 3 m high of concrete material covering an abandoned excavator which potentially contains asbestos tile backings, formwork and pipes, however was largely obscured by vegetation (AEI6) – The area of the burn pile was estimated to be 380m^2 and the levees surrounding the burn pile were estimated to consist of 380m^3 of material (190m^2 and 2.5 m in height). – Multiple types of waste are also present across the site, as shown on Figure 3, and may require management in future. These include: • Chemical drums across the site • White goods and general waste • Disused ASTs within the Septic Area and IBCs of unknown content within the shed in the northern section of the site • Bulker bags (approximately 6 present, however bags were covered making inspection not possible) containing friable asbestos soils from previously conducted partial remediation works in the burn pile as advised by site staff • Liquid and battery wastes within the Chemical Shed (AEI5)

AEI	Field Observation
AEI7: Uncontrolled historical fill	The site appeared to be levelled and raised from the surrounding area, with unknown fill, likely containing wastes, understood to have been used historically. It is understood from discussion with site personnel that the site may also contain additional former burn pits and liquid waste (oil) dumping areas
Surrounding area	Multiple Lord Howe Woodhen were observed within the site boundary and adjacent vegetation.

8.2 Soil Investigation Results

8.2.1 Subsurface Conditions

The conditions encountered in the test locations are presented on the engineering logs in Appendix D, along with explanatory notes. In summary, the test locations encountered ground conditions comprising topsoil and filling, underlain by aeolian soils. The generalised subsurface conditions encountered are summarised in Table 17 and selected photographs of the test locations and subsurface are included in Photolog 1 (2024) and Photolog 2 (2025), Appendix I.

Table 17: Summary of Subsurface Conditions

Unit	Typical description	Depth range to top of unit (m)	Indicative/ typical thickness (m)
Hardstand	Compacted GRAVEL, fine to medium grained, very dense, grey, loosely cemented Tile pavers Concrete Compacted GRAVEL, fine to medium grained, very dense, red-brown, dark grey, grey	0.0	0-0.25
Fill	SAND, Silty SAND, fine to medium grained, dense, brown, dark brown SAND, Silty SAND, Gravelly SAND, Sandy GRAVEL, fine to medium grained, dense, brown, dark brown with inclusions of anthropogenic waste, including glass fragments, glass bottles, crushed glass, and demolition waste (ACM, concrete rubble, metal plate, metal fencing posts, timber posts, pvc pipe and fragments, and fencing wire)	0.0-0.2	0-3.0
Aeolian	SAND, fine to medium grained, brown, pale brown, with shell and shell fragments	0.15-2.6	-

Unusual staining or odours were not noted during sampling at the test locations.

Groundwater was not observed in the test pits to the nominated excavation depths, however, groundwater inflows were observed during the drilling of boreholes at 3.5 mbgl to 4.0 mbgl.

ACM fragments were found within 6 test pit locations at the Site. Fragments from each test pit were submitted to the laboratory for asbestos presence/absence. A summary of ACM finds is summarised within Table 18 below.

Table 18: Summary of ACM Finds within test pits

Sample ID	ACM Description	ACM Condition (1)	Contains Asbestos?	Photograph Reference
TP06/1.5_ACM	One fragment of fibre cement material approximately 60x20x2mm	Good	Chrysotile asbestos detected	
TP08/0.6_ACM	Two fragments of fibre cement material approximately 70x30x2mm	Good	Chrysotile asbestos detected	
TP09/1.5_ACM	One fragment of fibre cement material approximately 60x20x2mm	Good	Chrysotile asbestos detected	
TP10/3.0	Two fragments of fibre cement material approximately 20x20x3mm	Good	Chrysotile asbestos detected	
TP11/1.2_ACM	Two fragments of fibre cement material approximately 170x110x40mm	Good	Chrysotile and amosite asbestos detected	
TP29/0.2	One fragment of fibre cement material approximately 15x10x4 mm	Good	Chrysotile asbestos detected	

Table Notes

(1) – Condition as described in the field

Good condition = Non- friable ACM where the asbestos is bound in a matrix and cannot pass through a 7mm x 7mm sieve or be readily broken or pulverised by hand pressure.

8.2.2 Field Soil Headspace Screening

Soil screening using a PID was carried out to check for volatile contaminants. The PID was calibrated/bump checked by SMEC prior to use. PID calibration certificates are provided in Appendix G.

The results ranged from 0.1 parts per million (ppm) to 15.7 ppm generally indicating a negligible to low potential for volatile impact within sampled layers. PID results are presented within Appendix D.

8.2.3 Acid Sulfate Soil Indicators

Soil characteristics associated with ASS (refer to SMEC (2025)Technical Paper – Soils Lord Howe Island Critical Infrastructure Program Section 5.3.2) were not identified during sampling with subsequent NATA accredited pH field testing indicating that soils did not indicate the presence of ASS. Further net acidity analysis was carried out to provide additional information on soil properties (refer to Section 8.2.5).

8.2.4 Soil Laboratory Results

Laboratory summary tables are included within Table E1 and E2, Appendix E. Laboratory analytical reports are included within Appendix F. Exceedances of adopted criteria are presented on Figures 4.1 to 4.2, Appendix A. The analytical results are summarised in reference to the AEIs below:

- AEI1:
  - All CoPC analysed were less than the adopted assessment criteria, with the exception of the following:
    - Health
      - TP08/0.6 asbestos fines (0.0024 %w/w) reported above HIL D criteria
      - TP06/1.5_ACM (0.247 %w/w) reported bonded asbestos above HIL D criteria
    - Ecological
      - Zinc in samples BH01_0.1 (2,200 mg/kg), BH01_0.5 (2,700 mg/kg), BH01_2.0 (630 mg/kg), TP06/1.5 (1,300 mg/kg), TP10/1.0 (950 mg/kg) reported above the site specific EIL criteria
      - Copper in sample TP10/1.0 (5,100 mg/kg), BH01_0.1 (1,300 mg/kg) and BH01_2.0 (550 mg/kg) was reported above the site specific EIL criteria
      - PFOS in sample TP07/0.2 (9.2 µg/kg), TP07/1.8 (10 µg/kg) and BH01_2.0 (9.5 µg/kg) was reported above the ecological indirect exposure criteria.
- AEI2:
  - All CoPC analysed were less than the adopted assessment criteria, with the exception of the following:
    - Health (screening)
      - E. Coli was detected in sample locations TP02/0.1, TP05/0.1, BH03 above the screening criteria for E.Coli (100 MPN/g)
      - Total coliforms were detected in sample locations TP02/0.1, TP05/0.1, TP05/0.5 above the screening criteria for total faecal coliforms (1,000MPN/g)
- AEI3:
  - All CoPC analysed were less than the adopted assessment criteria
- AEI4:
  - All CoPC analysed were less than the adopted assessment criteria, with the exception of the following:
    - Health (screening)
      - E. Coli was detected in sample locations TP13/0.1, TP13/0.5 within AEI2 above the screening criteria for E.Coli (100 MPN/g)
      - Total coliforms were detected in sample locations TP13/0.1, TP13/0.5, TP14/0.1, TP15/0.5, TP16/0.1, TP16/0.5, TP17/0.1, TP17/0.5 within AEI4 above the screening criteria for total faecal coliforms (1,000MPN/g)

    - Ecological
        - PFOA in sample TP13/1.0 (32 µg/kg) was reported above the ecological indirect exposure criteria
        - PFOS in sample TP13/1.0 (120 µg/kg), TP16/1.0 (19 µg/kg) and TP17_0.5 (75 µg/kg) was reported above the ecological indirect exposure criteria

- AEI5:
    - All CoPC analysed were less than the adopted assessment criteria, with the exception of the following:
        - Ecological
            - PFOS in sample TP18/0.6 (120 µg/kg) was reported above the ecological indirect exposure criteria

- AEI6:
    - All CoPC analysed were less than the adopted assessment criteria, with the exception of the following:
        - Health (screening)
            - E. Coli was detected in sample locations TP23/0.3, TP25/1.5, TP37/0.5, BH09_0.1, BH12_0.1, BH12_0.5 within AEI6 above the screening criteria for total faecal coliforms (100 MPN/g)
            - Total coliforms were detected in sample locations TP22/0.1, TP22/1.0, TP22/2.0, TP24/0.1, TP25/0.5, BH08_0.1, BH08_0.4 within AEI6 above the screening criteria for total faecal coliforms (1,000MPN/g)
            - Thermotolerant coliforms were detected in sample locations TP32-TP37 within AEI6 ranging from 620 MPN/g to 8,700 MPN/g
        - Ecological
            - Nickel in samples BH08_0.9 (580 mg/kg) and BH08_2.0 (690 mg/kg) was reported above the site specific EIL criteria
            - PFOA in sample TP22/1.0 (8.8 µg/kg) and TP22/2.0 (7.3 µg/kg) was reported above the ecological indirect exposure criteria
            - PFOS in sample TP23/1.0 (6.1 µg/kg), TP25/0.5 (8.8 µg/kg) and TP25/2.5 (5.6 µg/kg) was reported above the ecological indirect exposure criteria

- AEI7:
    - All CoPC analysed were less than the adopted assessment criteria, with the exception of the following:
        - Health
            - TP11/1.2_ACM (0.604 %w/w) reported bonded asbestos above HIL D criteria
        - Ecological
            - Zinc in sample TP31/0.9 (1,900 mg/kg) reported above the site specific EIL criteria
            - Copper in samples TP31/0.9 (6,200 mg/kg) and TP31/1.0 (290mg/kg) were reported above the site specific EIL criteria
            - Nickel in sample BH10_0.7 (300 mg/kg) were reported above the site specific EIL criteria
            - PFOS in sample BH01_2.0 (9.5 µg/kg), BH07_0.5 (120 µg/kg), BH07_0.5 (140 µg/kg), BH10_0.1 (20 µg/kg) and BH10_0.4 (11 µg/kg) was reported above the ecological indirect exposure criteria

- The following further characterisation of chemicals was undertaken and a summary of results is presented in Tables E3a to E3c, Appendix E
  - ACLP and TCLP analysis undertaken on soil samples indicated low heavy metal
- Detections of TRHs in BH03_0.1 were analysed further in silica gel cleanup[1] resulting in non-detects

8.2.5 Acid Sulfate Soils

Assessment of ASS requires review of multiple lines of evidence including soil description, colour, elevation, geologic origins and laboratory results.

The desktop component of the assessment shows that the Site is outside areas mapped as having a probability of ASS occurrence. The Site is relatively flat and has an approximate elevation of 8m AHD. Typically coastal ASS would not be found at elevations greater than about 5mAHD.

Surface or subsurface visual indicators of ASS were not observed during the work. Soils logged as Aeolian soils were encountered in the SMEC test pits and boreholes. During sampling, no indicators of acid sulfate oxidation mineral products such as jarosite were observed. The majority of Aeolian soils were logged to include some form of white concretions (shell, crushed shell and crushed coral).

Sullivan (et al 2018) states that "Acid sulfate soil (ASS) materials are distinguished from other soil or sediment by having properties and behaviour that have either:

- Been affected considerably by the oxidation of Reduced Inorganic Sulfur (RIS), or
- The capacity to be affected considerably by the oxidation of their RIS constituents.

The factor common to all ASS materials is that RIS components have either had, or may have, a major influence on the properties or behaviour of these soil materials." Sullivan et al 2018) further defines sulfidic soils as those that have greater than 0.01% RIS by mass, generally measured by the chromium reducible sulfur (S_{CR}) method.

The following is noted from the field screening and laboratory results:

- Field pH (pH_F) values ranged from 7.5 to 7.9. All samples screened were above a pHF result of 4.0 indicating a low likelihood for the presence of actual ASS.
- The pH_{FOX} results ranged from 9.0 to 9.5. Of the 20 samples screened for ASS, no samples returned a pH_{FOX} result below 3 or with a 'moderate' and 'extreme' reaction.
- In all samples pH_{FOX} was greater than pH_F indicating the possible presence of carbonates
- No soil samples selected for testing using the chromium reducible sulfur suite and suspension peroxide oxidation combined acidity and sulfur suite recorded exceedances of the criteria for net acidity (excluding ANC) (being the sum of TAA + S_{CR} + S_{NAS}) of 18molH$^+$/t with all samples below the laboratory limit of reporting. The following is noted:
  - Retained Acidity (analysed as net acid soluble sulfur (S_{NAS})) was not measured due to pH_{KCl} being greater than 4.5.
  - Acid Neutralising Capacity (ANC) was recorded in all samples analysed (noting ANC is only measured via the test method if pH_{KCl} is greater than 6.5) and ranged between 6,600-14,000 molH+/t. ANC can only be used in net acidity calculations if this is corroborated with further testing (e.g. incubation testing).
  - Chromium reducible sulfur (S_{CR}) results were below the limit of reporting in all samples.

A summary table is presented in Table E4, Appendix E.

[1] Silica gel cleanup is a method by which laboratory interference is addressed through the removal of polar non-hydrocarbons (the removal of non-hydrocarbon interference compounds)

8.3 Groundwater, Surface water and Sediment Investigation Results

8.3.1 Groundwater Field Observations

Three newly installed groundwater wells were installed. Groundwater is inferred to flow in a south/south-westerly direction towards Prince Henry Bay. The following observations were noted during the single round of groundwater sampling (10 July 2025) from 3 groundwater wells:

- Standing water levels were recorded between 3.155 and 3.865 mb TOC (meters below top of casing
- During well development the wells were unable to be purged dry
- Groundwater at WMFGW01 and WMFGW02 was noted to be brown in colour, high turbidity and no odour was observed
- Groundwater at WMFGW03 was noted to be pale yellow in colour, minor turbidity and no odour was observed
- Field parameters measured on Site are summarised in Table 19

Table 19: Summary of Groundwater field parameters

Location	Standing Water Level (mbgl)	pH (pH units)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	Temperature (°C)	Redox Potential (mV)
WMFGW01	3.125	7.48	4.46	2868	22.1	29
WMFGW02	3.283	7.44	5.78	3706	20.4	39
WMFGW03	3.275	6.98	2.91	5021	20.6	45

The groundwater monitoring well locations are presented in Figure 5, Appendix A.

8.3.2 Groundwater Laboratory Results

Groundwater laboratory analytical results are included in Table E5, Appendix E and laboratory analytical reports are included within Appendix F. Exceedances of adopted criteria are presented on Figure 4.3, Appendix A. The following results are noted:

- Inorganics
  - Nitrogen (total) concentrations of between 2.2 mg/L and 2.5 mg/L were recorded above the ANZECC 2000 SE Australia trigger value of 0.12 mg/L
- Metals
  - Arsenic concentrations of between 0.016 mg/L and 0.12 mg/L above the low reliability criteria were recorded in the 3 groundwater samples
  - Arsenic (filtered) concentration in WMFGW02 (0.003 mg/L) was above the adopted low reliability criteria
  - Cadmium concentration in WMFGW01 (0.0016 mg/L) was above the 99% DGV concentration limit of 0.0007 mg/L
  - Chromium concentrations between 0.08 mg/L and 0.12 mg/L was above the 99% DGV concentration limit of 0.008 mg/L
  - Copper concentrations of between 0.008 mg/L and 0.12 mg/L above the 99% DGV concentration limit of 0.0003 mg/L were recorded in the 3 groundwater samples
  - Copper (filtered) concentration at WMFGW01 (0.002 mg/L) was recorded above the 99% DGV concentration limit of 0.0003 mg/L

- Lead concentrations of between 0.003 mg/L and 0.071 mg/L were recorded within the 3 groundwater samples and exceeded the 99% DGV concentration limit of 0.0022 mg/L
- Mercury concentration at WMFGW01 (0.0006 mg/L) was recorded above the 99% DGV concentration limit of 0.0001 mg/L
- Nickel concentrations between 0.02 mg/L and 0.085 mg/L were recorded within the 3 groundwater samples and exceeded the 99% DGV concentration limit of 0.007 mg/L
- Nickel (filtered) concentrations between 0.002 mg/L and 0.085 mg/L were recorded within the 3 groundwater samples and exceeded the 99% DGV concentration limit of 0.007 mg/L
- Zinc concentrations of between 0.026 mg/L and 0.45 mg/L above the 99% DGV concentration limit of 0.0033 mg/L were recorded in the 3 groundwater samples
- Zinc (filtered) concentration at WMFGW01 (0.0006 mg/L) was recorded above the 99% DGV concentration limit of 0.0033 mg/L

- PFAS

PFOS concentrations between 0.0017 µg/L and 0.034 µg/L were recorded above the 99% marine species protection value of 0.00023 µg/L in all 3 groundwater samples

8.3.3 Surface Water Field Observations

Three surface water locations were sampled as per Section 5. The locations were inferred to be down stream of the Site and were located on the beach on Prince William Henry Bay. The following observations were noted during the single round of surface water sampling (10 July 2025) from the 3 surface water locations:

- Surface water at all 3 locations was noted to be translucent with a salty odour
- Field parameters measured at the surface water locations are summarised in Table 20.

Table 20: Summary of Groundwater field parameters

Location	pH (pH units)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	Temperature (°C)	Redox Potential (mV)
WMFSW01	5.66	5.11	44,470	19.1	104
WMFSW02	5.67	5.09	44,467	19.1	100
WMFSW03	5.67	5.01	44,461	19.1	103

The surface water locations are presented in Figure 5, Appendix A.

8.3.4 Surface Water Laboratory Results

Laboratory summary tables are included within Table E6, Appendix E. Laboratory analytical reports are included within Appendix F. The analytical results are summarised below:

- Concentration of nitrogen (total) at WMFSW02 (0.6 mg/L) was recorded above the ANZECC 2000 SE Australia trigger value of 0.12 mg/L
- PFOS concentrations between 0.0003 µg/L and 0.0004 µg/L were recorded above the 99% marine species protection value of 0.00023 µg/L in all 3 surface water samples
- All other analytes reported concentrations below the adopted assessment criteria

8.3.5 Sediment Field Observations

Three sediment sampling locations (paired with surface water locations) were sampled as per Section 5. The following observations were noted during the sampling event:

- Sediment at the 3 locations consisted of coarse grained SAND, pale yellow with white concretions consisting of crushed coral and shell.

8.3.6 Sediment Laboratory Results

Laboratory summary tables are included within Table E6, Appendix E. Laboratory analytical reports are included within Appendix F. The analytical results are summarised below:

- All CoPC analysed were less than the adopted assessment criteria, the majority of analytes reported concentrations below the limit of detection, which was below the adopted assessment criteria. The following detections are noted:
  - Inorganics
    - Detections of nitrogen analytes and total phosphorous were reported in all 3 sediment samples
  - Metals
    - Minor detections of arsenic and chromium (III+IV) were reported in all 3 sediment samples, below the adopted assessment criteria
  - PFAS
    - A minor detection of Perfluoropentanoic acid (PFPeA) at the limit of detection (0.01 µg/kg) was reported in one sample (WMFSED03)

8.4 Subsurface Gas Investigation Results

Subsurface gas measurements were undertaken at the 3 newly installed monitoring wells (WMFSV01, WMFSV02, WMFSV03).Records of subsurface gas monitoring is presented in Appendix H**.** The following observations were noted during the 3 rounds (4, 8 and 10 July 2025) of subsurface gas monitoring at the 3 newly installed gas monitoring wells:

- Conditions during sampling events were generally overcast and windy
- No odour was observed associated with the subsurface gas monitoring wells

Sub-surface gas monitoring at the WMF recorded stabilised concentrations of methane and carbon dioxide (stabilised concentrations after 3 minutes):

- Methane was measured stable at 0 %v/v at all locations during the 3 rounds of monitoring
- Carbon dioxide was measured stable between 1.6 %v/v (BH04/WMFSV02) and 8.1 %v/v (BH10WMFSV03)
- Carbon monoxide and hydrogen sulphide was not detected at any location during the 3 rounds of monitoring
- Negligible or no internal flows were recorded during the 3 rounds of monitoring at all locations
- Negligible relative pressures were recorded during the 3 rounds of monitoring at all locations
- Exceedances of screening criteria of methane concentrations above 1% (v/v) above the adopted conservative background concentration of 0% (v/v) were not recorded
- Carbon dioxide readings were recorded during all 3 rounds and at all three locations. Readings did not exceed the adopted criteria of 1.5%v/v above the background concentration (0.04%)
  - The CO_2 detections are considered a result of decomposition of compost and other organic matter occurring across the Site and higher detections at BH10/WMFSV03 are indicative of the large stockpiles of compost material stored adjacent BH10/WMFSV03.

9. Conceptual Site Model

The development of the CSM is an iterative process, whereby the preliminary CSM (refer to Section 4) is developed in the first stage of Site assessment and revised as more detailed information on the Site and the nature of contamination becomes available. A revised CSM has been prepared which presents potential source(s), pathway(s), and ecological/human receptor(s) linkages.

The revised CSM is used to identify risks to human health, the environment, and environmental values, as well as uncertainties or critical gaps in information that need to be addressed in subsequent stages. For a risk to exist all three components (source, pathway, receptor) of the CSM must exist.

The revised CSM is made up of contaminants of potential concern (CoPC) and receptors that could be exposed to the CoPC, and is presented in Table 21.

Table 21: Conceptual Site Model

Source AEI	Contaminants of Potential Concern	Findings	Potential Pathway Migration Pathway(s)/Exposure Pathway(s)	Potential Receptor(s)	S-P-R Linkage comment
AEI1	Asbestos	Health • TP08/0.6 asbestos fines (0.0024 %w/w) reported above HIL D criteria • TP06/1.5_ACM (0.247 %w/w) reported bonded asbestos above HIL D criteria	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust and/or fibres • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Human: • Site workers, and visitors. • Site workers during future construction works or maintenance activities	Plausible if disturbed and not managed
	Metals	Ecological • Zinc in samples BH01_0.1 (2,200 mg/kg), BH01_0.5 (2,700 mg/kg), BH01_2.0 (630 mg/kg), TP06/1.5 (1,300 mg/kg), TP10/1.0 (950 mg/kg) reported above the site specific EIL criteria • Copper in sample TP10/1.0 (5,100 mg/kg), BH01_0.1 (1,300 mg/kg) and BH01_2.0 (550 mg/kg) was reported above the site specific EIL criteria • TCLP and ACLP results indicate a low potential for leaching		Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site • Onsite fauna	• Low leachability indicates no pathway for contaminants to enter groundwater and migrate offsite. • Proposed design includes extensive hardstand areas closing pathway for contaminant in shallow soils
	PFAS	Ecological • PFOS in sample TP07/0.2 (9.2 µg/kg), TP07/1.8 (10 µg/kg) and BH01_2.0 (9.5 µg/kg) was reported above the ecological indirect exposure criteria		Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site • Onsite fauna	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
AEI2	Microbial:	Health • E. Coli was detected in sample locations TP01-TP05 and BH03 AEI2 ranging from 10 MPN/g to 1,100 MPN/g • Total coliforms were detected in sample locations TP01-TP05 and BH03 within AEI2 ranging from 110 MPN/g to >24,000 MPN/g	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Human: • Site workers, and visitors. • Site workers during future construction works or maintenance activities	Plausible if disturbed and not managed

AEI4	Microbial	Health • E. Coli was detected in sample locations TP12-TP17 within AEI2 ranging from 10 MPN/g to 1,400 MPN/g • Total coliforms were detected in sample locations TP12-TP17 within AEI2 ranging from 330 MPN/g to 14,000 MPN/g	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Human: • Site workers, and visitors. • Site workers during future construction works or maintenance activities	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
	PFAS	Ecological • PFOA in sample TP13/1.0 (32 µg/kg) was reported above the ecological indirect exposure criteria • PFOS in sample TP13/1.0 (120 µg/kg), TP16/1.0 (19 µg/kg) and TP17_0.5 (75 µg/kg) was reported above the ecological indirect exposure criteria		Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site • Onsite fauna	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
AEI5	PFAS	• PFOS in sample TP18/0.6 (120 µg/kg) was reported above the ecological indirect exposure criteria	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site • Onsite fauna	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
AEI6	Asbestos	Health • Bonded asbestos was detected in TP29/0.2 detected below HIL D criteria for asbestos in soil	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Human: • Site workers, and visitors. • Site workers during future construction works or maintenance activities	Plausible if disturbed and not managed
	Microbial	Health • E. Coli was detected in sample locations TP22-TP25, TP33-TP37 and BH08-BH09 and BH12 within AEI2 ranging from 10 MPN/g to 550 MPN/g • Total coliforms were detected in sample locations TP22-TP25, BH08-BH09 and BH12 within AEI2 ranging from 41 MPN/g to >24,000 MPN/g • Thermotolerant coliforms were detected in sample locations TP32-TP37 within AEI2 ranging from 620 MPN/g to 8,700 MPN/g	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Human: • Site workers, and visitors. • Site workers during future construction works or maintenance activities	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors

	Metals	Ecological • Nickel in sample BH08_2.0 (690 mg/kg) was reported above the site specific EIL criteria	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site Onsite fauna	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
	PFAS	Ecological • PFOA in sample TP22/1.0 (8.8 µg/kg) and TP22/2.0 (7.3 µg/kg) was reported above the ecological indirect exposure criteria • PFOS in sample TP23/1.0 (6.1 µg/kg), TP25/0.5 (8.8 µg/kg) and TP25/2.5 (5.6 µg/kg) was reported above the ecological indirect exposure criteria	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site • Onsite fauna	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
AEI7	Asbestos:	Health • TP11/1.2_ACM (0.604 %w/w) reported bonded asbestos above HIL D criteria	• Direct dermal contact with contaminants or contaminated media. • Inhalation of soil dust, fibres and/or soil vapours. • Ingestion of contaminated soil. • Migration of contaminated runoff (soil or water).	Human: • Site workers, and visitors. • Site workers during future construction works or maintenance activities	Plausible if disturbed and not managed
	Metals	Ecological • Zinc in sample TP31/0.9 (1,900 mg/kg) reported above the site specific EIL criteria • Copper in samples TP31/0.9 (6,200 mg/kg) and TP31/1.0 (290mg/kg) were reported above the site specific EIL criteria • Nickel in samples BH08_0.9 (580 mg/kg) and BH10_0.7 (300 mg/kg) were reported above the site specific EIL criteria		Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site Onsite fauna	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
	PFAS:	Ecological • PFOS in sample BH01_2.0 (9.5 µg/kg), BH07_0.5 (120 µg/kg), BH07_0.5 (140 µg/kg), BH10_0.1 (20 µg/kg) and BH10_0.4 (11 µg/kg) was reported above the ecological indirect exposure criteria		Ecological: • Adjacent terrestrial vegetation (including TECs) • Aquatic ecosystems in surface water receptors • Groundwater underlying the site • Onsite fauna	Proposed design includes extensive hardstand areas closing pathway for contaminant to receptors
Groundwater	Metals	Metals • Arsenic concentrations of between 0.016 mg/L and 0.12 mg/L above the low reliability criteria were recorded in the 3 groundwater samples • Arsenic (filtered) concentration in WMFGW02 (0.003 mg/L) was	• Direct dermal contact with contaminants or contaminated media • Migration of contaminated groundwater	Human: • Site workers, and visitors. • Site workers during future construction works or maintenance activities Ecological:	Current proposed development for the site will not require excavations that will disturb groundwater. Therefore there is no plausible pathway to Site receptors. Exceedances of metals criteria in offsite surface water and sediment samples were not detected hence the

		above the adopted low reliability criteria • Cadmium concentration in WMFGW01 (0.0016 mg/L) was above the 99% DGV concentration limit of 0.0007 mg/L • Chromium concentrations between 0.08 mg/L and 0.12 mg/L was above the 99% DGV concentration limit of 0.008 mg/L • Copper concentrations of between 0.008 mg/L and 0.12 mg/L above the 99% DGV concentration limit of 0.0003 mg/L were recorded in the 3 groundwater samples • Copper (filtered) concentration at WMFGW01 (0.002 mg/L) was recorded above the 99% DGV concentration limit of 0.0003 mg/L • Lead concentrations of between 0.003 mg/L and 0.071 mg/L were recorded within the 3 groundwater samples and exceeded the 99% DGV concentration limit of 0.0022 mg/L • Mercury concentration at WMFGW01 (0.0006 mg/L) was recorded above the 99% DGV concentration limit of 0.0001 mg/L • Nickel concentrations between 0.02 mg/L and 0.085 mg/L were recorded within the 3 groundwater samples and exceeded the 99% DGV concentration limit of 0.007 mg/L • Nickel (filtered) concentrations between 0.002 mg/L and 0.085 mg/L were recorded within the 3 groundwater samples and exceeded the 99% DGV concentration limit of 0.007 mg/L • Zinc concentrations of between 0.026 mg/L and 0.45 mg/L above the 99% DGV concentration limit of 0.0033 mg/L were recorded in the 3 groundwater samples • Zinc (filtered) concentration at WMFGW01 (0.0006 mg/L) was recorded above the 99% DGV concentration limit of 0.0033 mg/L			
	Inorganics	• WMFGW01 reported exceedances of ANZG Marine water 95% DGVs for copper (0.12 mg/L, 0.002 filtered mg/L), nickel (0.085 mg/L),			

		lead (0.071 mg/L) and Zinc (0.45 mg/L) • WMFGW01 reported an exceedance of ANZECC 2000 SE Australia trigger value for nitrogen (total) (2.4 mg/L) • WMFGW02 reported exceedances of ANZG Marine water 95% DGVs for copper (0.011 mg/L) and zinc (0.036 mg/L) • WMFGW02 reported an exceedance of ANZECC 2000 SE Australia trigger value for nitrogen (total) (2.5 mg/L) • WMFGW03 reported an exceedance of ANZECC 2000 SE Australia trigger value for nitrogen (total) (2.2 mg/L)			
	PFAS	• PFOS concentrations between 0.0017 µg/L and 0.034 µg/L were recorded above the 99% marine species protection value of 0.00023 µg/L in all 3 groundwater samples			

10. Discussion

10.1 General

The following discussion is based on results of the DSI and historic assessments at the Site, with reference to the CSM developed in Section 9 and DQOs, which provide decision rules (Step 5) applicable to informing development planning processes for the Site, from a health and ecological contamination perspective.

A data validation assessment was carried out and found the data collected is useable (refer to Section 7 and Appendix C).

10.2 Site Characterisation

In general terms this DSI indicated the following:

- Minor quantities of fill were observed at the majority of DSI sampling locations with thickness generally between 0.2 m bgl to 0.6 m bgl and to a maximum depth of 3.0m bgl
- Natural material was observed to be aeolian and characterised as sand, fine to medium grained, brown, pale brown with shell and shell fragments
- Rock was not encountered at any DSI investigation boreholes including R01-R03 advanced to a depth of 11.5m bgl.
- Standing water level across the Site was recorded between 3.125 m bgl (WMFGW01) to 3.283 m bgl (WMFGW02)
- In general concentration of contaminants of potential concern in the soils sampled were less than the adopted assessment criteria, with the exception of:
  - TP08/0.6 reported asbestos fines exceeding the adopted assessment criteria for HSL D – Commercial/Industrial (0.001% w/w), estimated by the laboratory at 0.0024% w/w
  - Calculation of bonded asbestos weights reported alongside laboratory testing determined that two human health exceedances for bonded ACM above the adopted criteria of HSL D (commercial/industrial) criteria of 0.05% w/w was reported in test pits TP06 (0.247 %w/w) and TP11 (0.604 %w/w)
- Several exceedances of adopted ecological criteria (presented Section 8 and Table 21) for heavy metals and PFAS were recorded across the Site in soil, groundwater and surface water samples with higher detections within AEI 1 sampling locations.
  - The PFAS ecological exceedances are expected to be a result of upgradient historical use of PFAS containing fire-fighting foam as part of aerodrome activity and not directly attributable to the WMF
  - The heavy metal ecological exceedances are expected to be a result of the Sites operation as a waste management facility, including acceptance of numerous waste types and machinery operation
- Site observations and sample analysis did not indicate the presence of acid sulfate soils

10.2.1 AEI 1: Burn Pile and Surrounds

With respect to AEI1, multiple ACM fragments were observed within the sampling locations. Asbestos analytical results identified one location where HIL D criteria for asbestos fines in soil was exceeded (TP08/0.6) and one location where HIL D criteria for bonded asbestos in soil was exceeded (TP06/1.5_ACM). Currently the burn pile area is fenced off and inaccessible, so is not considered to pose a risk to site users. SMEC understands that the proposed design includes the construction of hardstand over the burn pile area, which would effectively remove any receptor linkages in the future. The adjacent levee is considered to pose a low risk in its current form given it is vegetated; however additional stabilisation may be considered to increase its longevity. Dependant on the final design, the levee may need to be relocated. Should this occur, the material should be tracked and listed on

the site asbestos register. Risks posed to receptors during construction would be managed through standard asbestos removal controls. As such, the risk posed by the asbestos is considered to be low.

Ecological criteria was exceeded for zinc, copper, nickel for several samples within AEI1 (described in Table 21) and data analysis indicates the highest detections of heavy metals were recorded within AEI1. TCLP and ASLP analysis undertaken on a subset of metal exceedances indicate a low potential for leaching of zinc, copper, and nickel, indicating a low risk to groundwater. Given the absence of onsite receptors that would be expected to come into contact with the material, the metals are not considered to pose a risk to the development of the WMF. Furthermore, soils within AEI1 are anticipated to be managed under asbestos controls, providing an additional layer of risk management.

10.2.2 AEI 2 and AEI 4: Former Effluent Drying Beds and Septic Treatment Area

Samples collected within AEI2, AEI4, and across the Site for relevant CoPC showed E. coli concentrations ranging from 10 MPN/g to 1,400 MPN/g, with 12 samples exceeding the screening criteria of 100 MPN/g. Total coliforms were detected between 10 MPN/g and >24,000 MPN/g, with 24 samples exceeding the screening criterion of 1,000 MPN/g. Odours or staining within sampling locations (not associated with ongoing bio waste treatment) was not observed at the time of sampling.

The results indicate that several locations within AEI2, AEI4 and within the northern portion of the Site where processed bio-waste is stockpiled reported levels of microbials above the adopted screening criteria. The elevated microbial concentrations are not expected to affect the development of the WMF due to the ongoing processing of biosolids undertaken at the Site and improvements to management of biosolids likely to result from upgrades made to the WMF including extensive hardstand areas and potential soil aeration areas. As such the risk associated with microbials is considered low; however, it is recommended that aeration be incorporated into site operations to reduce microbial and nutrient concentrations.

10.2.3 AEI 3: WMF Building and Former Burn Pit

Sample locations advanced within AEI3 did not indicate the presence of a burn pit and fill materials were not observed below hardstand areas within the WMF Building. Exceedances of adopted criteria were not recorded within locations advanced within AEI3. The likelihood of contamination within AEI3 is considered to be low.

10.2.4 AEI 5: Chemical Shed

Human health exceedances were not detected associated AEI5, and ecological exceedances were generally not detected with the exception of, zinc, copper and nickel which are likely attributed to past and present waste storage and site operations. A low potential for leaching was indicated by TCLP and ASLP analysis undertaken on a subset of metal exceedances. Given the absence of receptors associated with AEI5, the resulting risk is assessed to be low.

10.2.5 AEI 6: Historical Stockpiling and Mounds Including Concrete Stockpile

Exceedances of adopted criteria were generally not detected in sampled and analysed soils within stockpiles associated with AEI6 with the exception of nickel at one location , asbestos was detected within one location in AEI6 below the adopted human health criteria but would need to be managed carefully onsite to not contaminate other spoil. The presence of elevated nutrients and microbial organisms are not considered to pose a risk to potential receptors in their current form, however should the material be proposed for reuse during the development, removal of oversize debris and aeration to reduce microbial and nutrient concentrations is recommended as a conservative approach.

10.2.6 AEI 7: Uncontrolled Historical Fill

Fill material was generally observed along the access road through the Site. This was generally to a depth of 0.3-0.6m, and was typically described as silty, sandy CLAY and gravelly CLAY low to medium plasticity, soft to firm, pale grey and dark brown, with asphalt, road base and crushed glass. It is noted that aesthetic criteria have not

been considered relevant for the current and continued use as a waste management facility (commercial/industrial use). Ecological criteria was exceeded for zinc, nickel and copper in one location within AEI 7. TCLP and ASLP analysis undertaken on a subset of metal exceedances for the Site indicate a low potential for leaching of zinc and copper indicating a low risk to groundwater. Given the absence of onsite receptors that would be expected to come into contact with the material, the metals are not considered to pose a risk to the development of the WMF.

It is noted that, while ACM was not detected across the whole of the Site within fill materials, similar fill materials and anthropogenic inclusions were observed across the whole area. As such, future excavations should be overseen by an experienced environmental scientist/engineer or occupational hygienist and an unexpected finds protocol (UXFP) implemented.

10.3 Groundwater, Surface Water and Sediment

All CoPC analysed in sediment samples were less than the adopted assessment criteria, the majority of analytes reported concentrations below the limit of detection.

Groundwater samples exceeded the adopted 99% species protection level DGV assessment criteria and low reliability trigger criteria for heavy metals, arsenic (3 locations), cadmium (1 location), chromium (3 locations), copper (3 locations),nickel (3 locations), lead (3 locations), zinc (3 locations) and mercury (1 location). Groundwater and surface exceedances of ANZECC 2000 SE Aust Triggers – Marine for nitrogen were recorded in the 3 groundwater locations and 1 surface water location. PFOS concentrations exceeded the adopted 99% marine species protection criteria in all groundwater and surface water samples.

These exceedances are suspected to reflect the regional water quality, with PFOS concentrations associated with the airport located upgradient of the site. It is understood that current proposed development for the site will not require excavations that will disturb groundwater. Therefore there is no plausible pathway to Site receptors identified as part of the CSM (refer to Section 9).

10.4 Data Gaps

The following data gaps should be noted:

- The current DSI investigation boundary and associated sample data may pose a limitation if the proposed development footprint extends beyond the investigated area
- There is little documentation around wastes which have been disposed or burnt at site, particularly as local residents have uncontrolled access to dispose materials
- The extent and type of filling which has occurred at the site is unknown, however is likely to be extensive and heterogeneous
- Investigations did not include the levees and mounds to the south, and there is the potential for impacted material identified within the burn pile to continue across the site boundary to this area.

11. Conclusions

The Site is understood to have been developed and utilised as a Waste Management Facility between 1965 and 2006 and continues to operate as a Waste Management Facility. Activities at the Site have included the sorting, processing, and stockpiling of waste materials, which have been categorised into several streams. These comprise compostable materials, including food waste, paper and cardboard, biosolids, and green waste; recyclable materials, including glass, aluminium, plastics, concrete and masonry rubble, scrap metal, oils, paints, photocopy and printer cartridges, batteries, white goods and tyres; and general waste materials, including household refuse, nappies, treated timber, mixed waste, and other non-recyclable materials.

SMEC undertook this DSI which included developing and executing a sampling, analysis and quality plan (SAQP). This involved undertaking two field mobilisations and sampling soils, groundwater, surface water, sediment and hazardous ground gases using a combination of judgemental and systematic sampling to assess the previously identified AEIs (AEI 1 to 7). The AEIs are associated with previous and ongoing activities associated with the WMF operation and include former and potential burn piles (AEI1, AEI3), operational WMF structures (AEI3), storage of various wastes including effluent (AEI2), chemicals (AEI5), construction and other wastes (AEI6), the treatment of bio-solids (AEI4) and the use of fill of unknown origin or quality on the Site (AEI 7).

A summary of the conclusions of the investigation is presented below:

- Test pit locations were excavated to a maximum depth of 3.2m bgl, contamination borehole locations were advanced to a maximum depth of 6.0m bgl and depth of rock investigation locations advanced to a maximum of 11.5m bgl. The majority of testing locations were excavated to the top of natural soils.
  - Fill soil, generally comprising Sands with secondary components and silty sandy Clays was observed at the Site to a depth of generally less than 0.6m bgl. Locations advanced within stockpile mounds and within the identified burn pit (AEI1) had fill encountered to a maximum depth of 3m bgl.
  - Natural aeolian soils were encountered across the Site and were generally noted to comprise Sand fine to medium grained, brown, pale brown, with shell and shell fragments. Groundwater inflows were observed during borehole excavation at 3.5 mbgl to 4.0 mbgl.
- In general, concentration of contaminants of potential concern were less than the adopted assessment criteria in soils with the exception of:
  - Asbestos at the following locations:
    - TP08/0.6 (AEI1) with asbestos fines (0.0024 %w/w) reported above HIL D criteria
    - TP06/1.5_ACM (AEI1) (0.247 %w/w) reported bonded asbestos above HIL D criteria
    - TP11/1.2_ACM (AEI7) (0.604 %w/w) reported bonded asbestos above HIL D criteria
  - Microbials at the following locations:
    - E.Coli within TP02/0.1 (AEI2), TP05/0.1 (AEI2), BH03 (AEI2), TP13/0.1 (AEI4), TP13/0.5 (AEI4), TP23/0.3 (AEI6), TP25/1.5 (AEI6), TP37/0.5 (AEI6), BH09_0.1 (AEI6), BH12_0.1 (AEI6), BH12_0.5 (AEI6) above the screening criteria for E.Coli (100 MPN/g)
    - Total coliforms within TP02/0.1 (AEI2), TP05/0.1 (AEI2), TP05/0.5 (AEI2), TP13/0.1 (AEI4), TP13/0.5 (AEI4), TP14/0.1 (AEI4), TP15/0.5 (AEI4), TP16/0.1 (AEI4), TP16/0.5 (AEI4), TP17/0.1 (AEI4), TP17/0.5 (AEI4), TP22/0.1 (AEI6), TP22/1.0 (AEI6), TP22/2.0 (AEI6), TP24/0.1 (AEI6), TP25/0.5 (AEI6), BH08_0.1 (AEI6), BH08_0.4 (AEI6) above the screening criteria for total faecal coliforms (1,000 MPN/g)
  - Metals at the following locations:
    - Zinc in samples BH01_0.1 (AEI1) (2,200 mg/kg), BH01_0.5 (AEI1) (2,700 mg/kg), BH01_2.0 (AEI1) (630 mg/kg), TP06/1.5 (AEI1) (1,300 mg/kg) TP10/1.0 (AEI1) (950 mg/kg) and TP31/0.9 (AEI7) (1,900 mg/kg) reported above the site specific EIL criteria

    - Copper in sample TP10/1.0 (AEI1) (5,100 mg/kg), BH01_0.1 (AEI1) (1,300 mg/kg), BH01_2.0 (AEI1) (550 mg/kg), TP31/0.9 (AEI7) (6,200 mg/kg) and TP31/1.0 (AEI7) (290mg/kg) was reported above the site specific EIL criteria
    - Nickel in sample BH08_0.9 (AEI6) (580 mg/kg), BH08_2.0 (AEI6) (690 mg/kg) and BH10_0.7 (AEI7) (300 mg/kg) was reported above the site specific EIL criteria
- Groundwater
  - Exceedances of the adopted 99% species protection level DGV assessment criteria for arsenic (3 locations), cadmium (1 location), chromium (3 locations), copper (3 locations),nickel (3 locations), lead (3 locations), zinc (3 locations) and mercury (1 location) and nitrogen (4 locations).
    - Metals in surface water and sediment samples did not exceed adopted criteria
  - PFOS concentrations exceeded the adopted 99% marine species protection criteria in all groundwater and surface water samples.
    - Ecological exceedances in PFOS are suspected to reflect the regional water quality with PFOS concentrations associated with the airport located upgradient of the site. It is understood that current proposed development for the site will not require excavations that will disturb groundwater.

Therefore based on the results of this DSI, the following is concluded:

- The risk to receptors is considered to be low, and manageable under standard site operations and construction practices of the WMF. The site is considered suitable for the proposed continuing operation as a WMF, subject to the recommendations outlined in Section 12.

12. Recommendations

Based on the results of this DSI, we recommend the following:

- Management of all residual wastes including residential and building materials observed on the surface across the Site as apart of ongoing operations of the WMF facility prior to the construction work.
- An asbestos removal/management plan (or equivalent) be prepared that clearly documents how asbestos will be managed at the Site during both construction and longer term.
  - Managing soils with asbestos during construction would need to comply with WHS regulations.
- A Construction Environmental Management Plan (CEMP) including a Material Management/Reuse Plan and Unexpected Find Protocols (UXFP) should be prepared for future development works.
- Development of a sustainable approach to re-use and minimise disposal of excess spoil / soil materials off-island, through a material management plan, or incorporated into construction stage management plans such as the CEMP or spoil management plan.
- Confirmation that materials applied to land in 2009, prior to the current EPL being created, are legally allowable to remain on site.

The recommendations should be considered in conjunction with the remainder of the report.

13. References

- AECOM (2019) PFAS Detailed Site Investigation – Lord Howe Island, NSW, Dated 01 July 2019
- ANZECC & ARMCANZ (2000), National Water Quality Management Strategy, Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Protection of Aquatic Ecosystems
- ANZG (2018), Australian and New Zealand Guidelines for Fresh and Marine Water Quality, August 2018, accessed 7 November 2024, URL: http://waterquality.gov.au/anz-guidelines
- Australian Standard AS4482.1-2005 Guide the investigation and sampling of site with potentially contaminated soil Part 1: Non-volatile and semi-volatile compounds (withdrawn)
- CRC Care (2017), Technical Report No. 39 – Risk-based management and remediation guidance for benzo(a)pyrene
- Friebel & Nadebaum (2011) Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater (technical paper No.10) Guidelines, CRC for Contamination Assessment and Remediation of the Environment (CRC CARE)
- Friebel and Nadebaum (2011) CRC Care Technical Report No. 10 – Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater.
- HEPA (2020), PFAS National Environmental Management Plan Version 3.0, Heads of EPA Australia and New Zealand 2025
- National Environment Protection (Assessment of Site Contamination) Measure (1999), as amended in 2013, National Environment Protection Council.
- National Environment Protection Council (2013) Assessment of Site Contamination NEPM Toolbox.
- National Health and Medical Research Council (2008) Guidelines for Managing Risks in Recreational Water, February 2008
- National Health and Medical Research Council (2011) recreational water quality and aesthetics guidelines
- NHMRC (2008) Guidelines for Managing Risks in Recreational Water Quality. National Health and Medical Research Council, Commonwealth of Australia, Canberra.
- NSW EPA (2000) Use and Disposal of Biosolids Products, Environmental Guidelines, reprinted December 2000.
- NSW EPA (2007) Guidelines for the Assessment and Management of Groundwater Contamination
- NSW EPA (2015), Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997
- NSW EPA (2016) Environmental Guidelines Solid Waste Landfills
- NSW EPA (2020), Contaminated land guidelines: Consultants reporting on contaminated land
- NSW EPA (2022), Contaminated land guidelines: Sampling design
- SMEC (2024) Sampling, Analysis and Quality Plan – Lord Howe Island Critical Infrastructure Program – Waste Management Facility, Dated 20 September 2024
- SMEC (2025) Technical Paper – Soils – Lord Howe Island Critical Infrastructure Program
- SMEC (2025a) Lord Howe Island Critical Infrastructure Program Northern Jetty Contamination Assessment
- State Environmental Planning Policy (Resilience and Hazards, 2021)
- Stone Y, Ahern C R and Blunden B (1998). Acid Sulfate Soils Manual 1998. Acid Sulfate Soils Management Advisory Committee (ASSMAC), Wollongbar, NSW, Australia

- Sullivan, L, Ward, N, Toppler, N and Lancaster, G (2018), National Acid Sulfate Soils guidance: National acid sulfate soils sampling and identification methods manual, Department of Agriculture and Water Resources, Canberra ACT. CC BY 4.0.
- Sullivan, L, Ward, N, Toppler, N and Lancaster, G (2018a), National Acid Sulfate Soils Guidance: National acid sulfate soils identification and laboratory methods manual, Department of Agriculture and Water Resources, Canberra, ACT. CC BY 4.0.
- The Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, August 2018)

Appendix A

Figures



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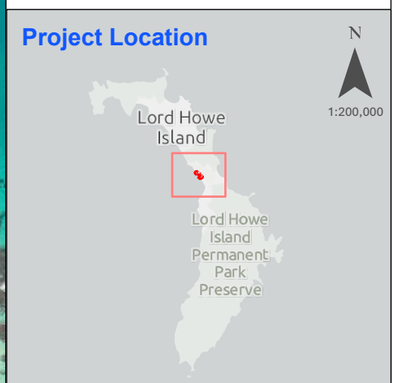
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LEGEND

Site Boundary

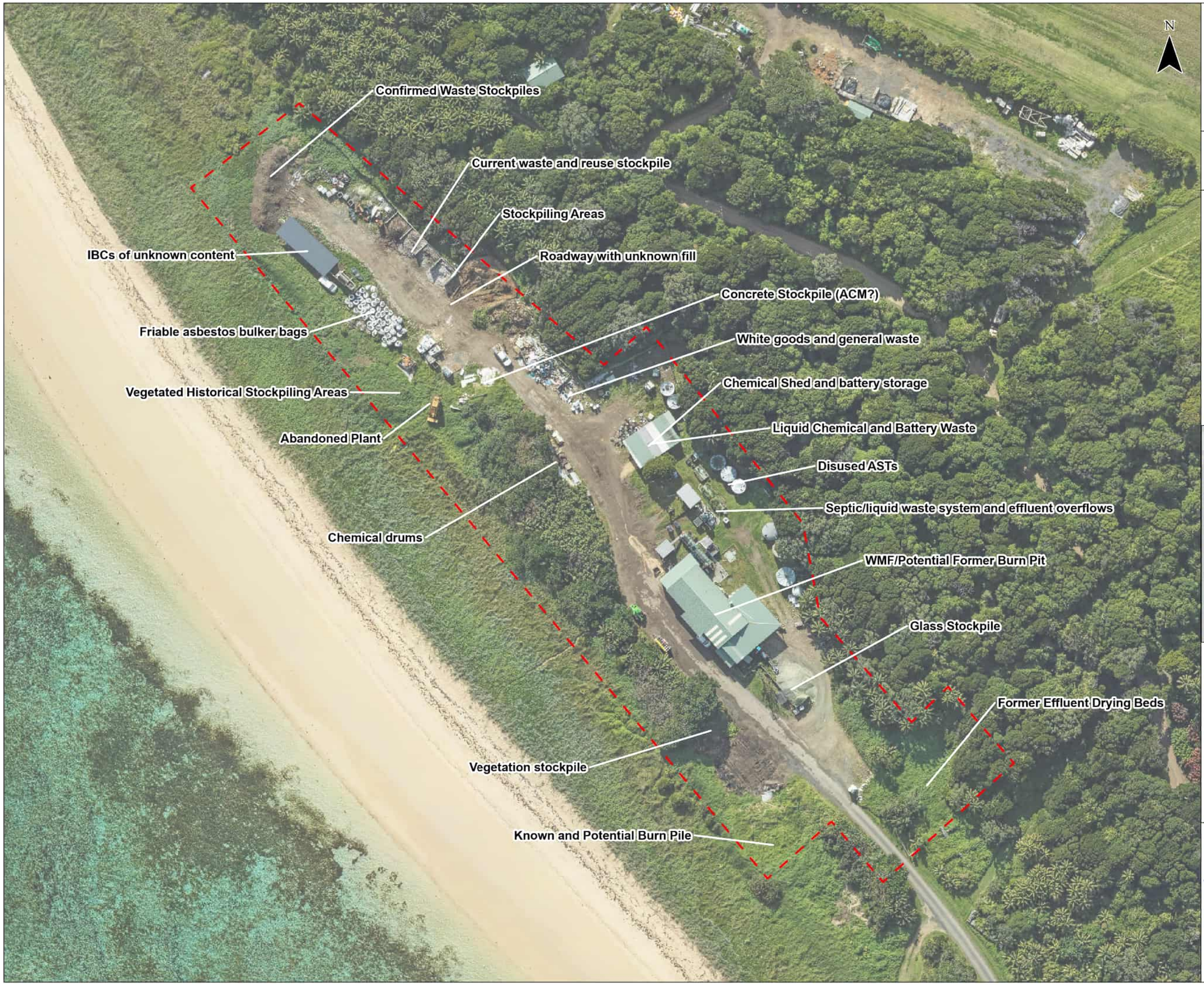
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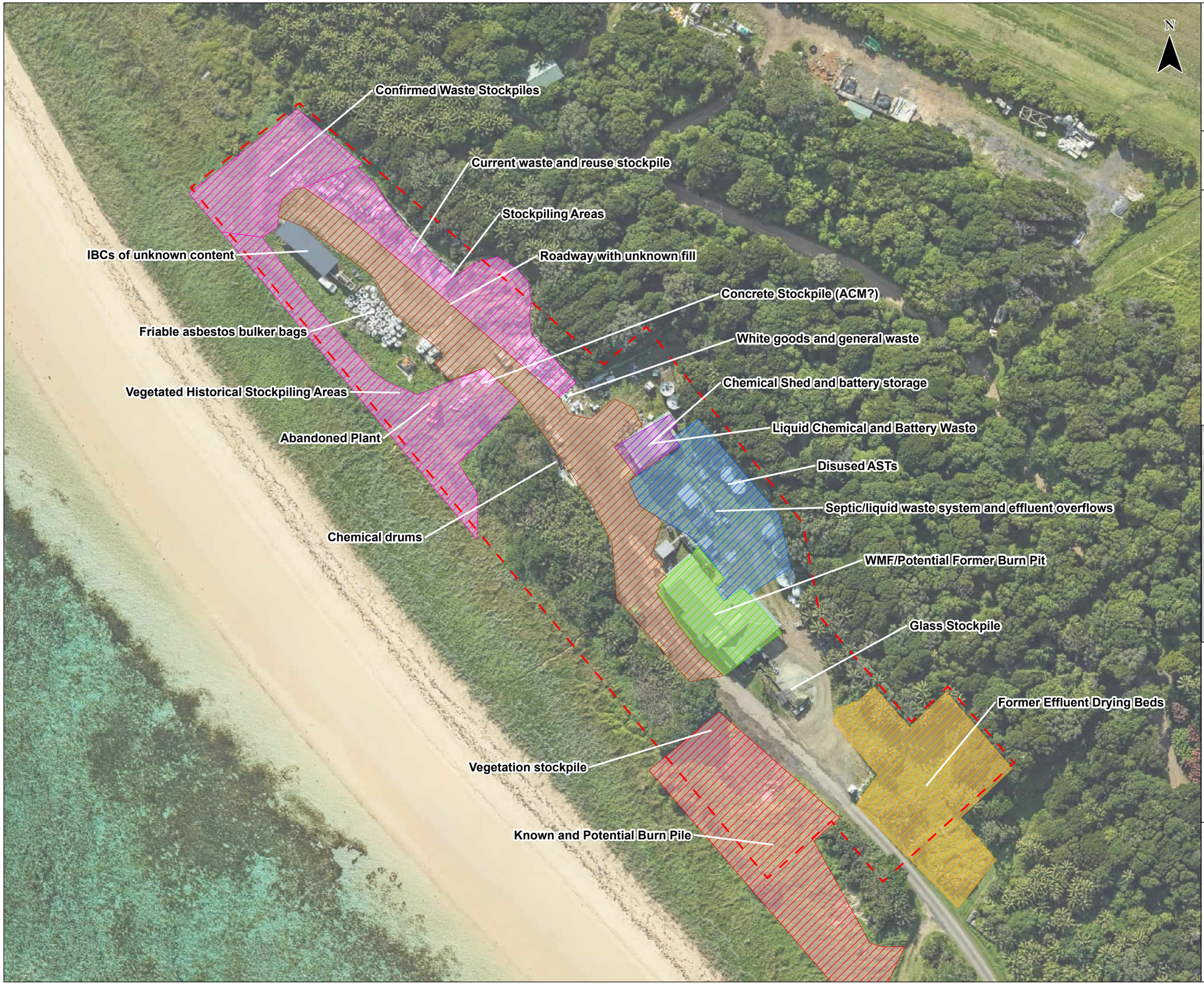
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LEGEND

- Site Boundary

AEI, AEI Name

- AEI1,Burn Pile and surrounds
- AEI2,Former Effluent Drying Beds
- AEI3,WMF Building and Former Burn Pit
- AEI4,Septic Treatment Area
- AEI5,Chemical Shed
- AEI6,Historical Stockpiling and mounds including concrete stockpile
- AEI7,Uncontrolled historical fill

Project Location



Sources:
1. Light Gray Reference: Esri, © OpenStreetMap contributors, TomTom, Garmin, METI/NASA, USGS
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Project No:	30013573
Figure No:	3
Figure Name:	Areas of Environmental Interest
Version:	1
Date:	22/08/2025
Created by:	LL16284
Page Size:	A3



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Metres
1:800

LEGEND

- Site Boundary

Proposed Sample Locations

- Borehole
- Groundwater Monitoring Well
- Testpit
- Sediment & Surface Water Location
- Geotech Borehole

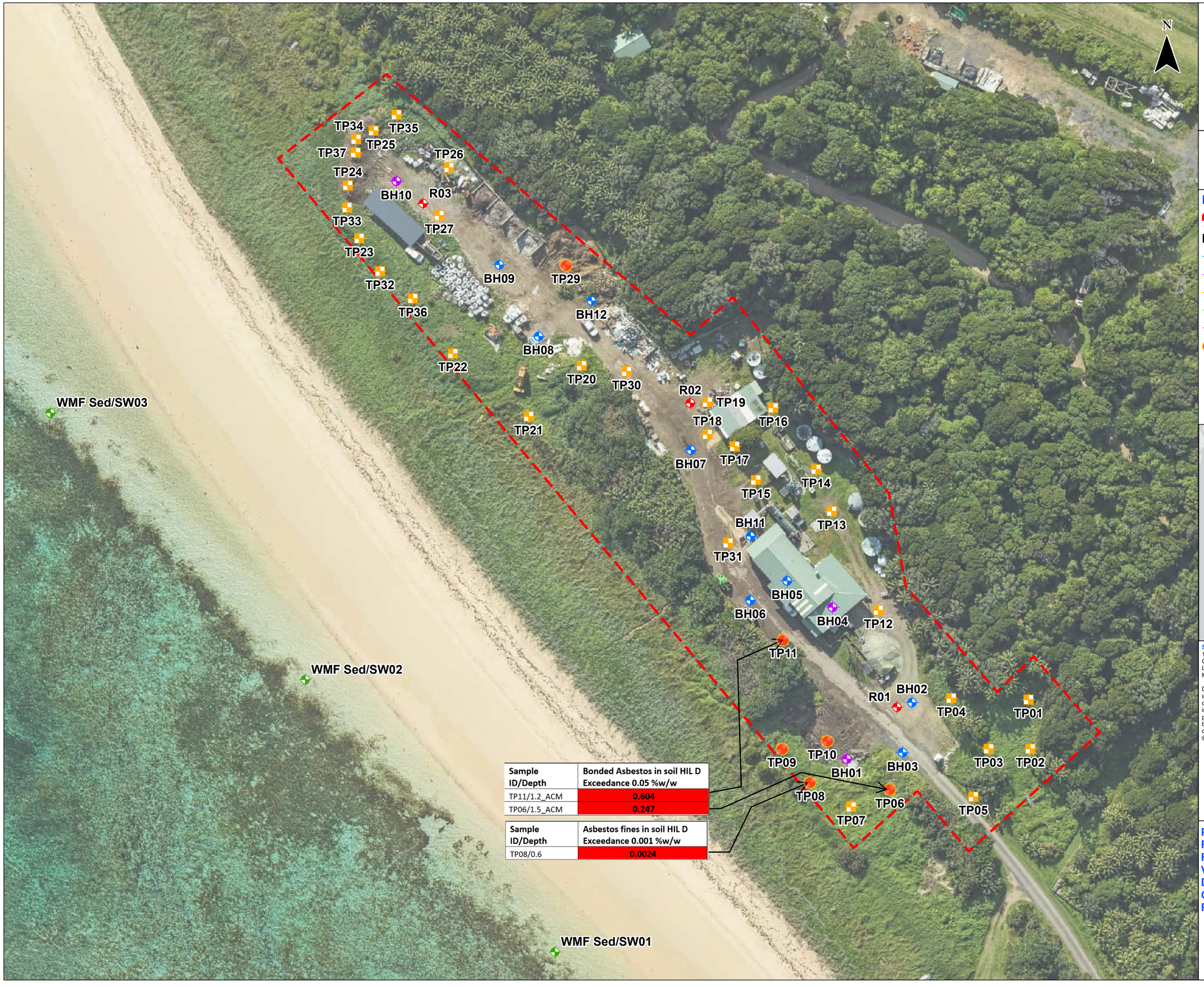
Project Location



Sources:
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Project No:	30013573
Figure No:	4
Figure Name:	Sample Locations
Version:	1
Date:	3/07/2025
Created by:	LL16284
Page Size:	A3



Sample ID/Depth	Bonded Asbestos in soil HIL D Exceedance 0.05 %w/w
TP11/1.2_ACM	0.604
TP06/1.5_ACM	0.247

Sample ID/Depth	Asbestos fines in soil HIL D Exceedance 0.001 %w/w
TP08/0.6	0.0024

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LEGEND

- Site Boundary

Proposed Sample Locations

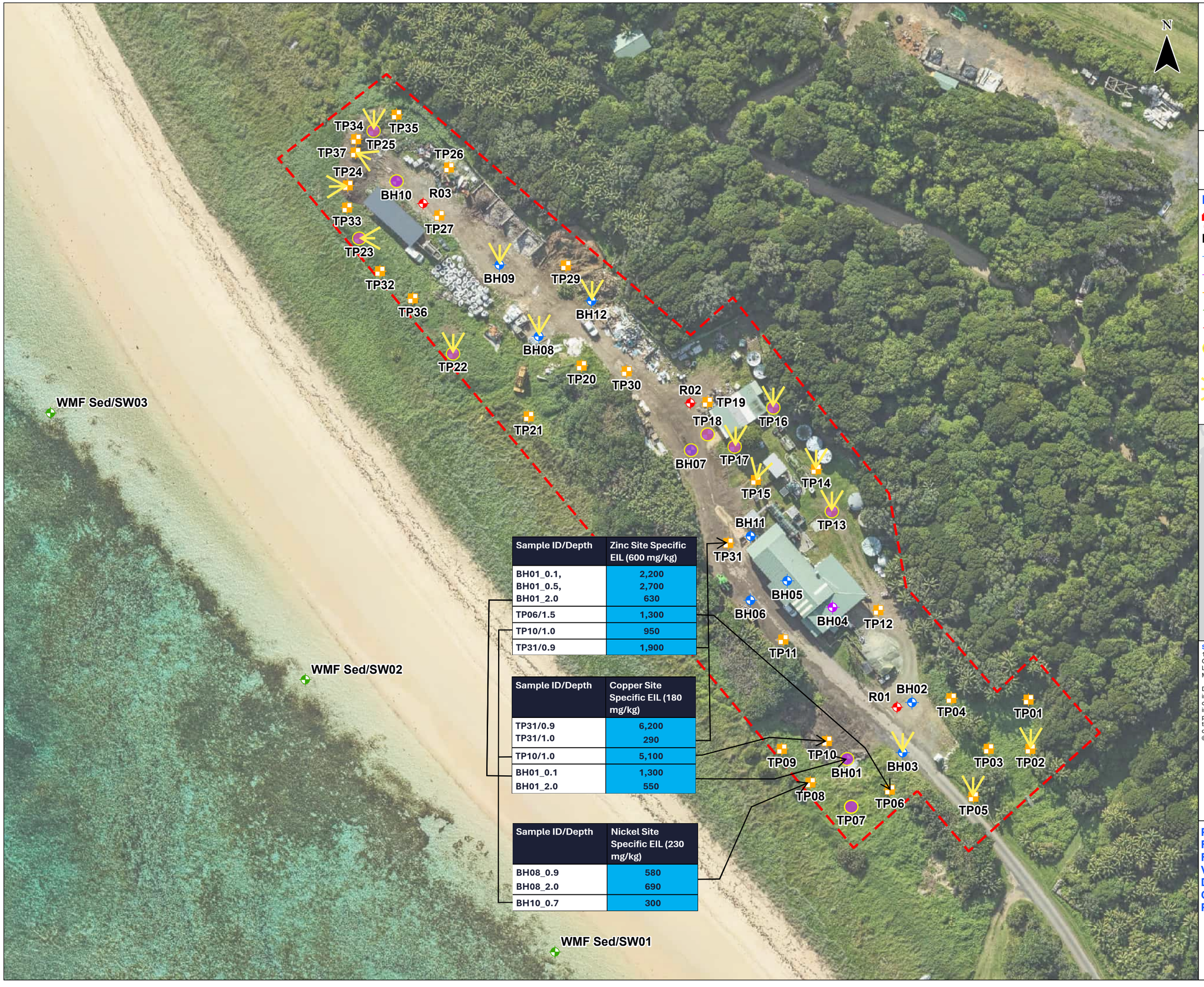
- Borehole
- Groundwater Monitoring Well
- Testpit
- Sediment & Surface Water Location
- Geotech Borehole
- Bonded Asbestos in Soil Detected

Project Location

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Project No:	30013573
Figure No:	4.1
Figure Name:	Sample Locations
Version:	1
Date:	3/07/2025
Created by:	LL16284
Page Size:	A3



Sample ID/Depth	Zinc Site Specific EIL (600 mg/kg)
BH01_0.1, BH01_0.5, BH01_2.0	2,200 2,700 630
TP06/1.5	1,300
TP10/1.0	950
TP31/0.9	1,900

Sample ID/Depth	Copper Site Specific EIL (180 mg/kg)
TP31/0.9 TP31/1.0	6,200 290
TP10/1.0	5,100
BH01_0.1 BH01_2.0	1,300 550

Sample ID/Depth	Nickel Site Specific EIL (230 mg/kg)
BH08_0.9 BH08_2.0	580 690
BH10_0.7	300

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LEGEND

- Site Boundary

Proposed Sample Locations

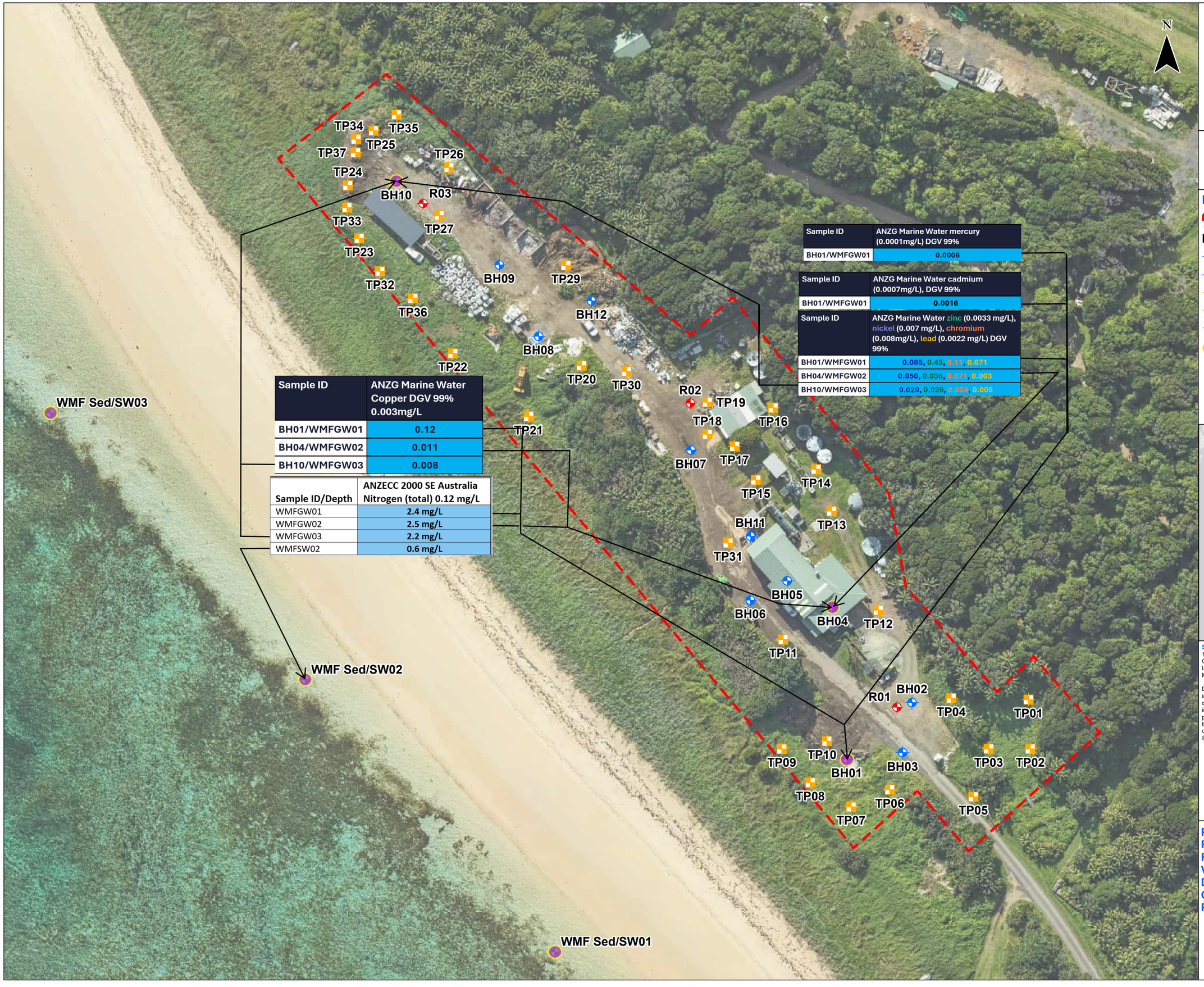
- Borehole
- Groundwater Monitoring Well
- Testpit
- Sediment & Surface Water Location
- Geotech Borehole
- PFAS Ecological Exceedance (>3 µg/kg)
- Microbial Screening Exceedance

Project Location

Sources:
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Project No:	30013573
Figure No:	4.2
Figure Name:	Sample Locations
Version:	1
Date:	3/07/2025
Created by:	LL16284
Page Size:	A3



Sample ID	ANZG Marine Water Copper DGV 99% 0.003mg/L
BH01/WMFGW01	0.12
BH04/WMFGW02	0.011
BH10/WMFGW03	0.008

Sample ID/Depth	ANZECC 2000 SE Australia Nitrogen (total) 0.12 mg/L
WMFGW01	2.4 mg/L
WMFGW02	2.5 mg/L
WMFGW03	2.2 mg/L
WMFSW02	0.6 mg/L

Sample ID	ANZG Marine Water mercury (0.0001mg/L) DGV 99%
BH01/WMFGW01	0.0006

Sample ID	ANZG Marine Water cadmium (0.0007mg/L), DGV 99%
BH01/WMFGW01	0.0016

Sample ID	ANZG Marine Water zinc (0.0033 mg/L), nickel (0.007 mg/L), chromium (0.008mg/L), lead (0.0022 mg/L) DGV 99%
BH01/WMFGW01	0.085, 0.45, 0.11, 0.071
BH04/WMFGW02	0.050, 0.036, 0.071, 0.003
BH10/WMFGW03	0.020, 0.026, 0.024, 0.005

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LEGEND

- Site Boundary

Proposed Sample Locations

- Borehole
- Groundwater Monitoring Well
- Testpit
- Sediment & Surface Water Location
- Geotech Borehole
- PFAS Marine 99% Species protection Exceedance

Project Location

Sources:
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Project No:	30013573
Figure No:	4.3
Figure Name:	Sample Locations
Version:	1
Date:	3/07/2025
Created by:	LL16284
Page Size:	A3



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LEGEND

- Site Boundary

Groundwater Well Locations

- Groundwater Monitoring Well
- AECOM 2019 Well

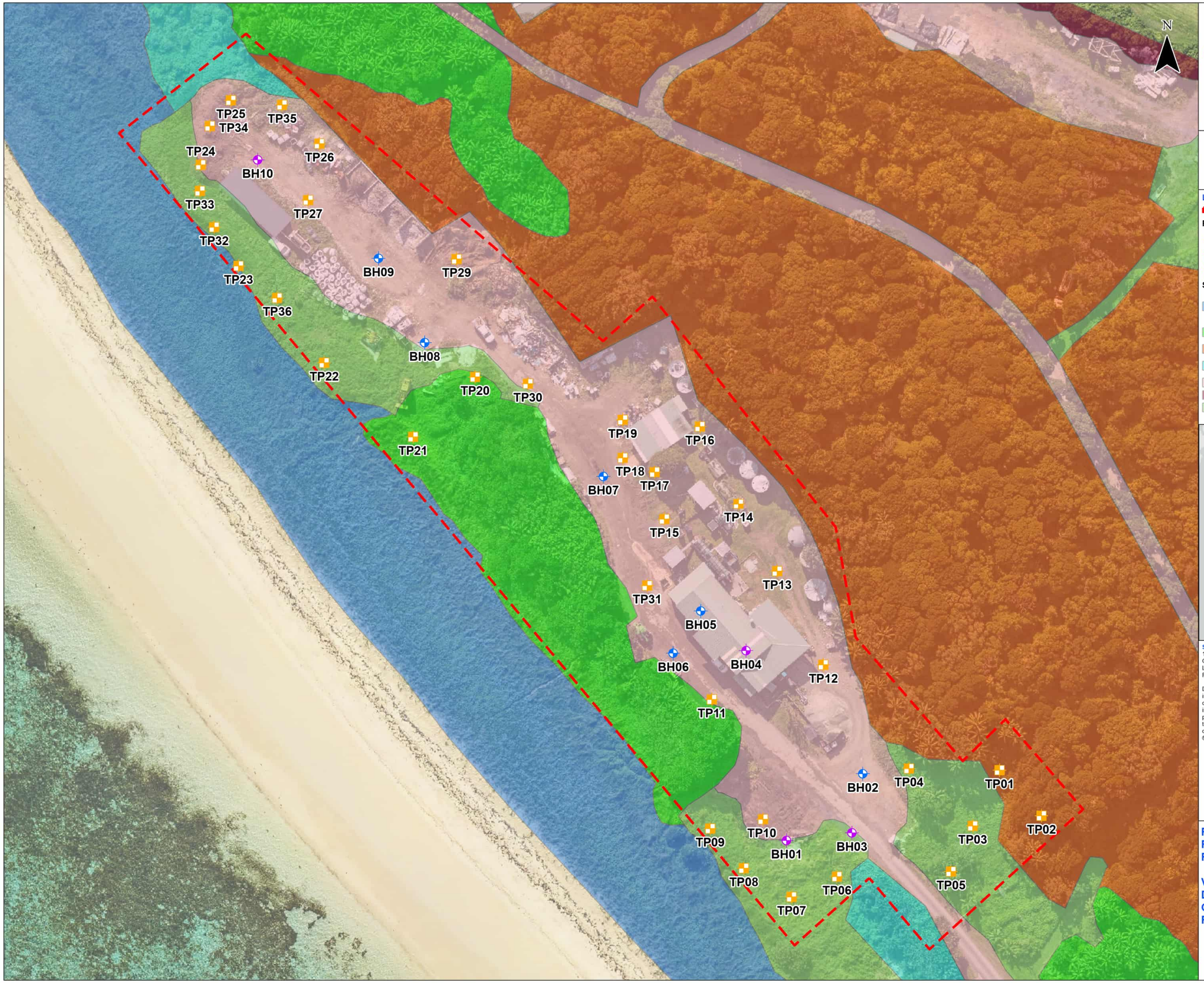
Project Location



Sources:
1. Light Gray Reference: Esri, © OpenStreetMap contributors, TomTom, Garmin, Foursquare, METI/NASA, USGS
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Project No:	30013573
Figure No:	5
Figure Name:	Groundwater Well Locations
Version:	1
Date:	19/09/2024
Created by:	NC17428
Page Size:	A3



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LEGEND

Site Boundary

Proposed Sample Locations

- Borehole
- Groundwater Monitoring Well
- Testpit

Significant Native Vegetation

- 1: Coastal Spinifex - Dune Bean - Club Rush - Melanthera biflora - Saltwater Couch beach strandline grassland
- 12a: Kentia Palm Forest on coral sand and calcarenite
- 17a: Greybark - Blackbutt rainforest
- 8: Bully Bush – Hopwood shrubland on shallow rocky soils
- Cl: Cleared
- Ep: Environmental plantings
- Ex: Exotic

Project Location



Sources:
1. Light Gray Reference: Esri, © OpenStreetMap contributors, TomTom, Garmin, Foursquare, METI/NASA, USGS
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Project No:	30013573
Figure No:	6
Figure Name:	Significant Native Vegetation
Version:	1
Date:	23/10/2024
Created by:	NC17428
Page Size:	A3

Appendix B

Historical Aerial Imagery

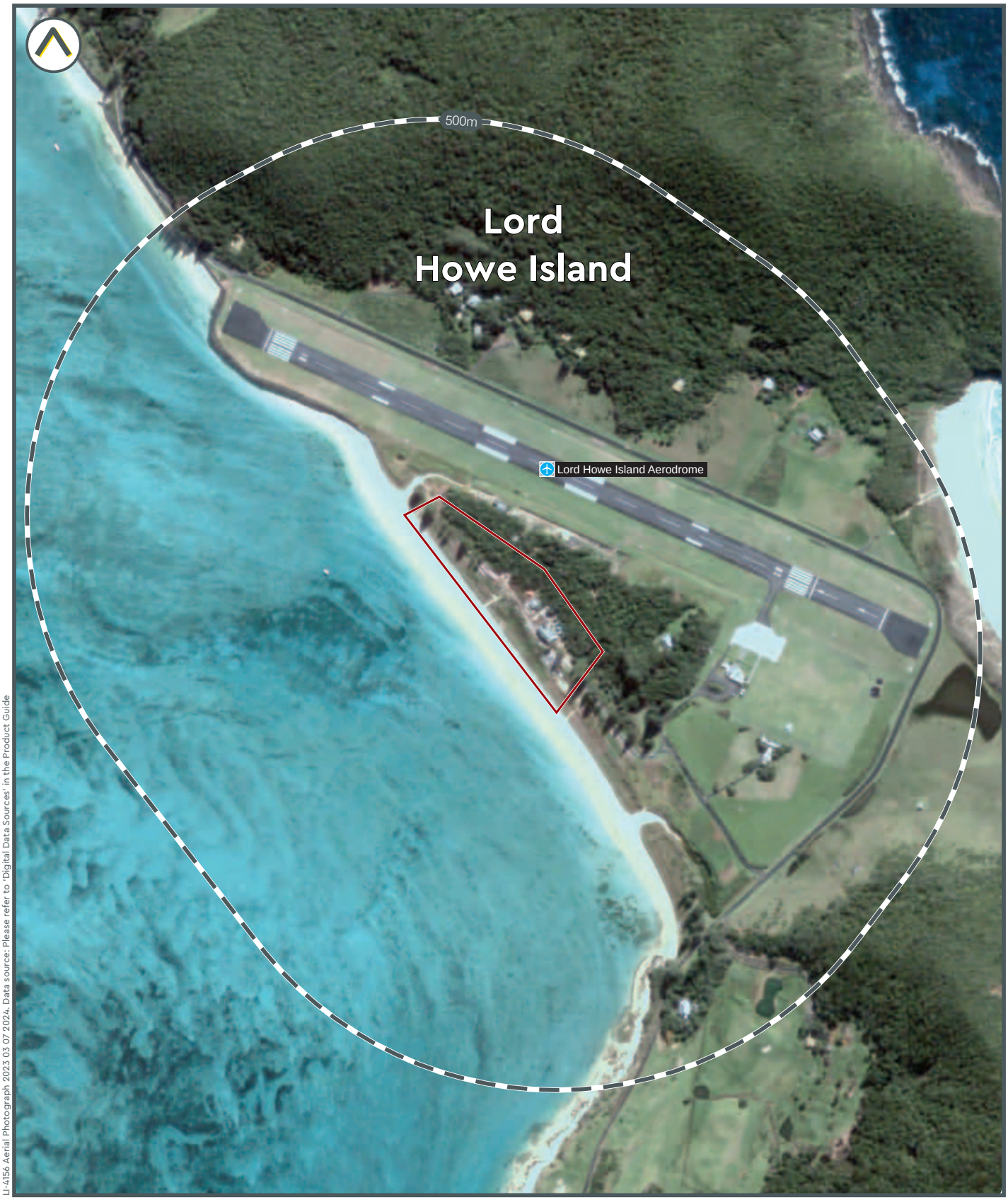


Appendix B

HISTORIC IMAGERY

Lord Howe Island Waste Management Facility
Lord Howe Island, NSW

Historic Aerial Photograph - 2006



LI-4156 Aerial Photograph 2023 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

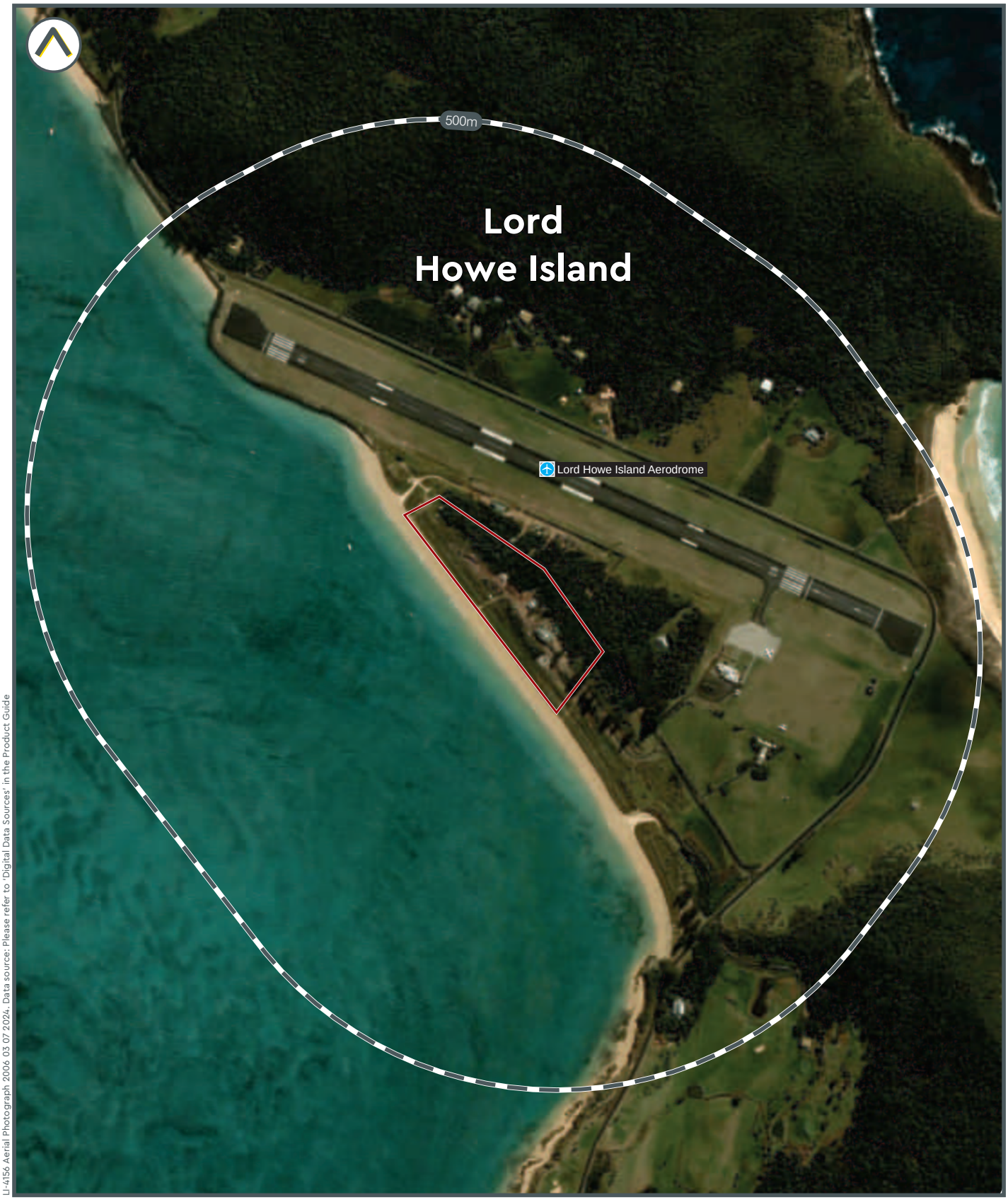
Subject area

0 200m

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Historic Aerial Photograph - 2008



LI-4156 Aerial Photograph 2006 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

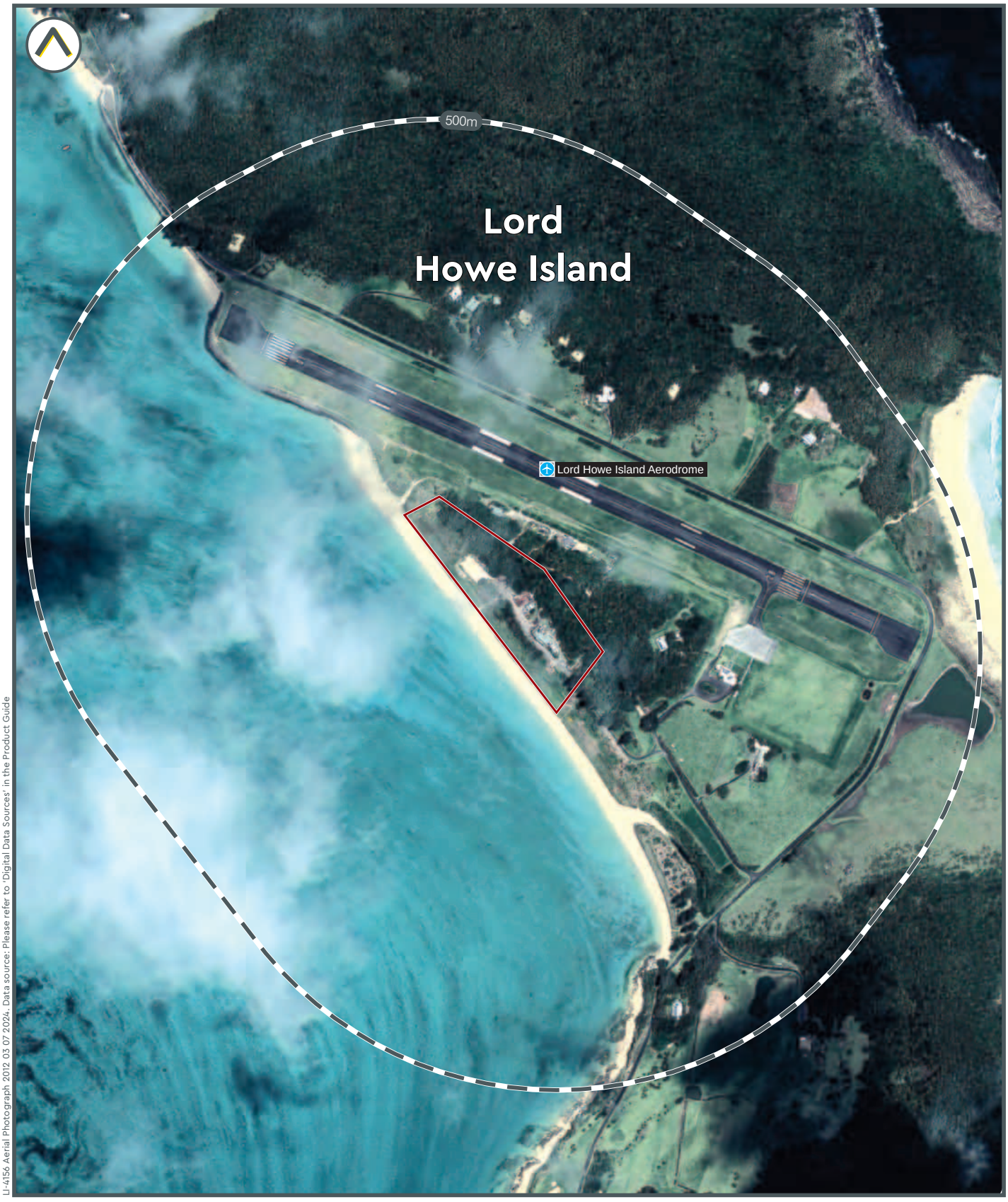
Subject area

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Historic Aerial Photograph - 2012



LI-4156 Aerial Photograph 2012 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

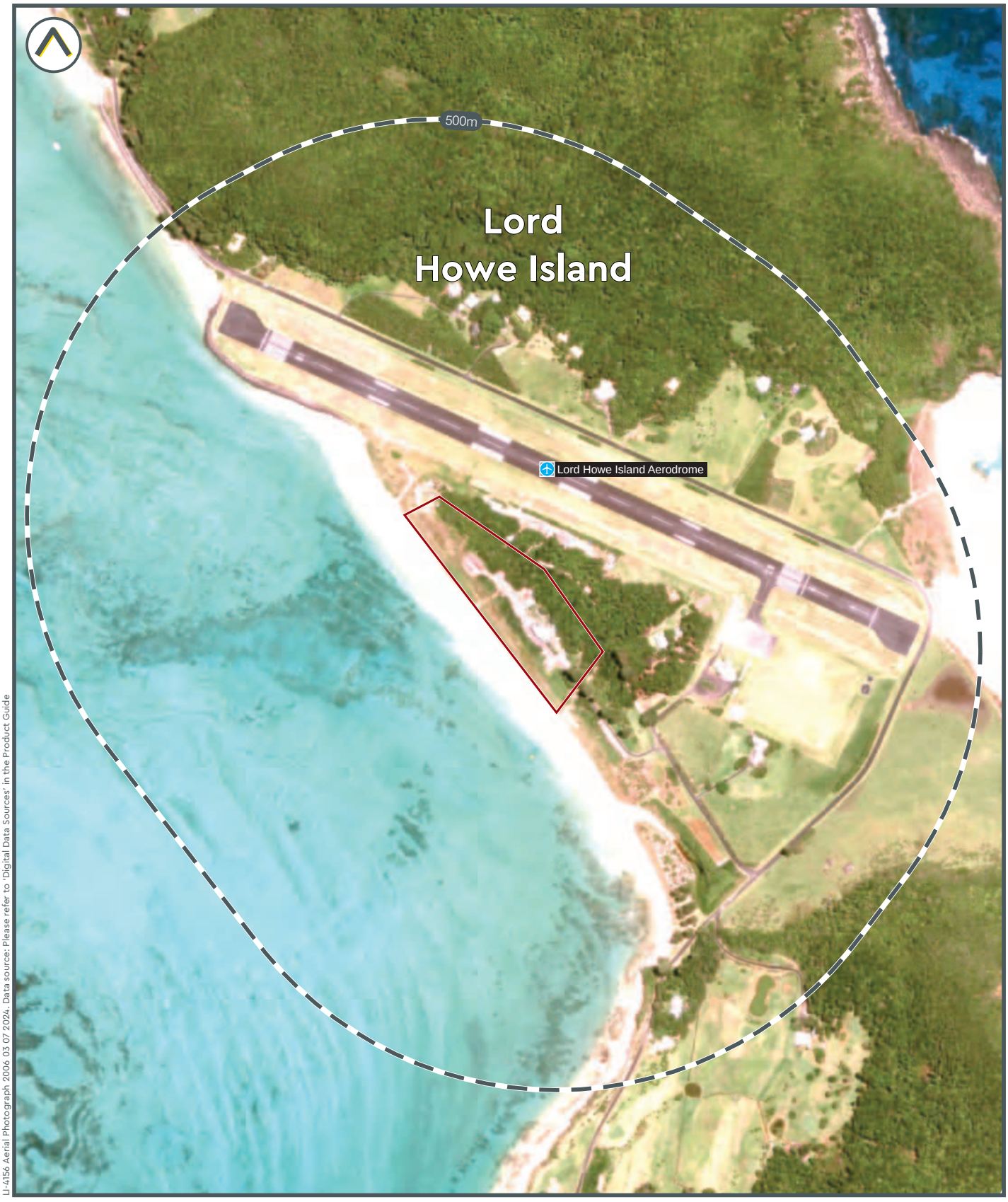
Subject area

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Historic Aerial Photograph - 2014



LI-4156 Aerial Photograph 2006 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

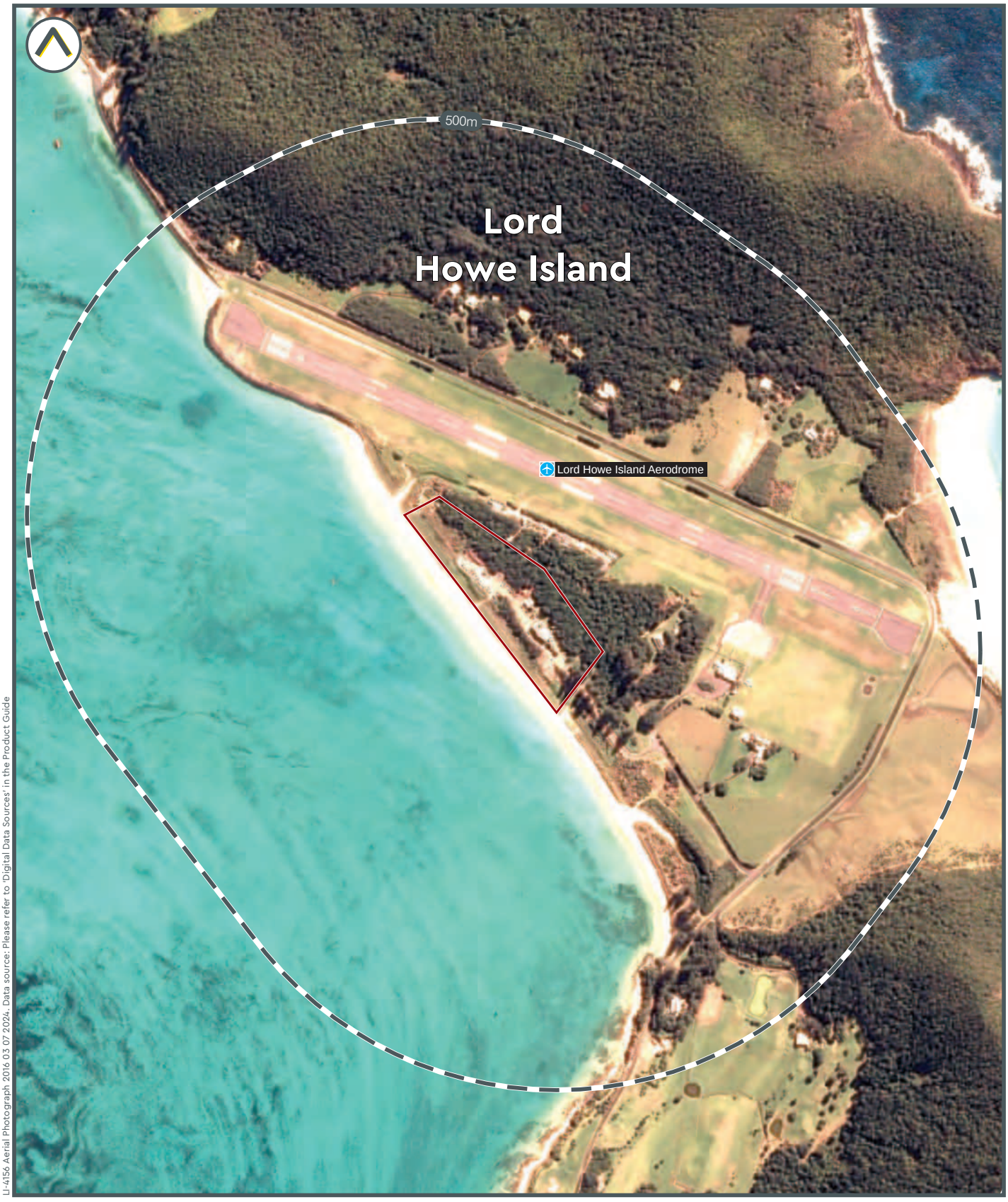
Subject area

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Historic Aerial Photograph - 2016



LI-4156 Aerial Photograph 2016 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

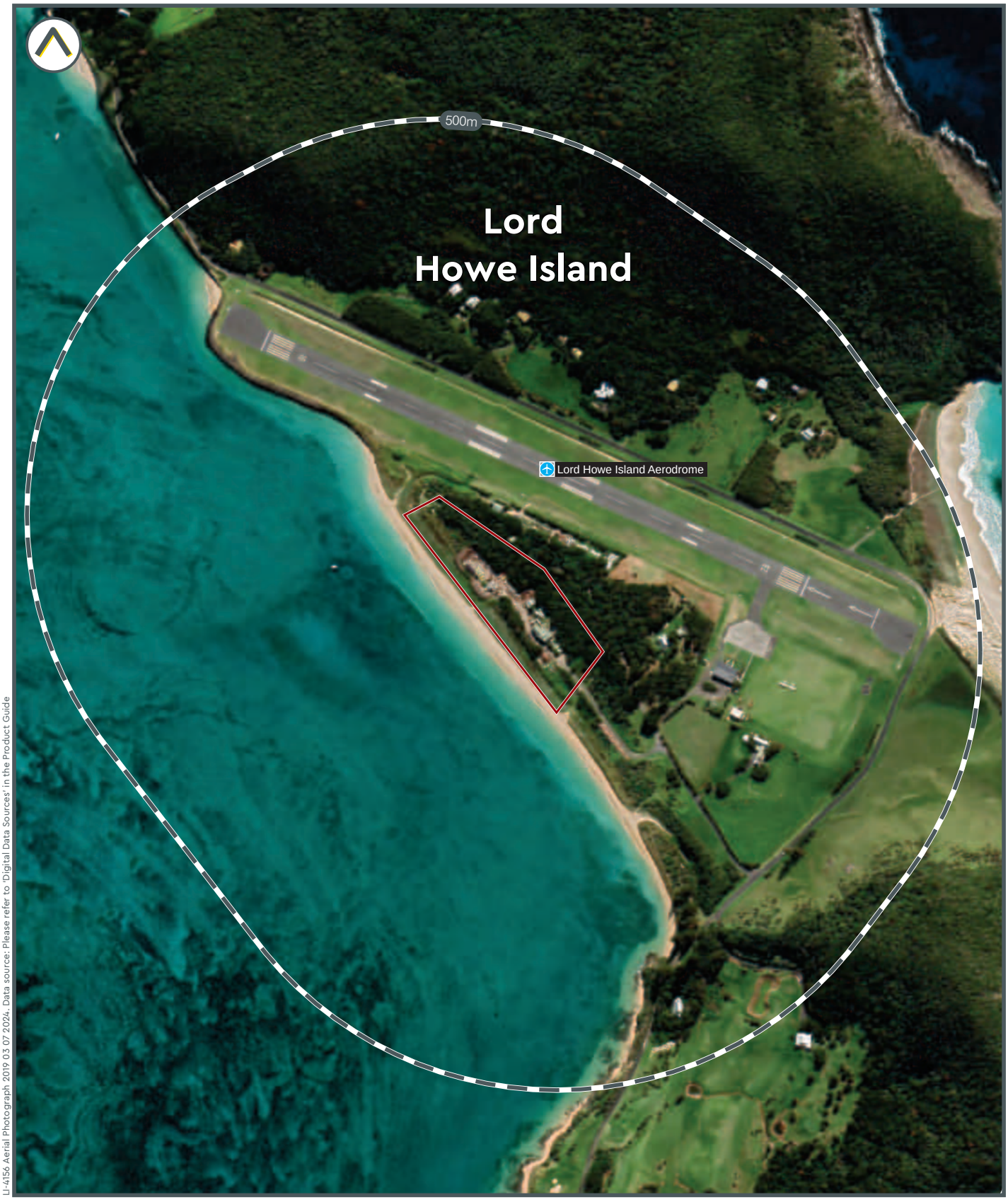
Subject area

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Historic Aerial Photograph - 2019



LI-4156 Aerial Photograph 2019 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

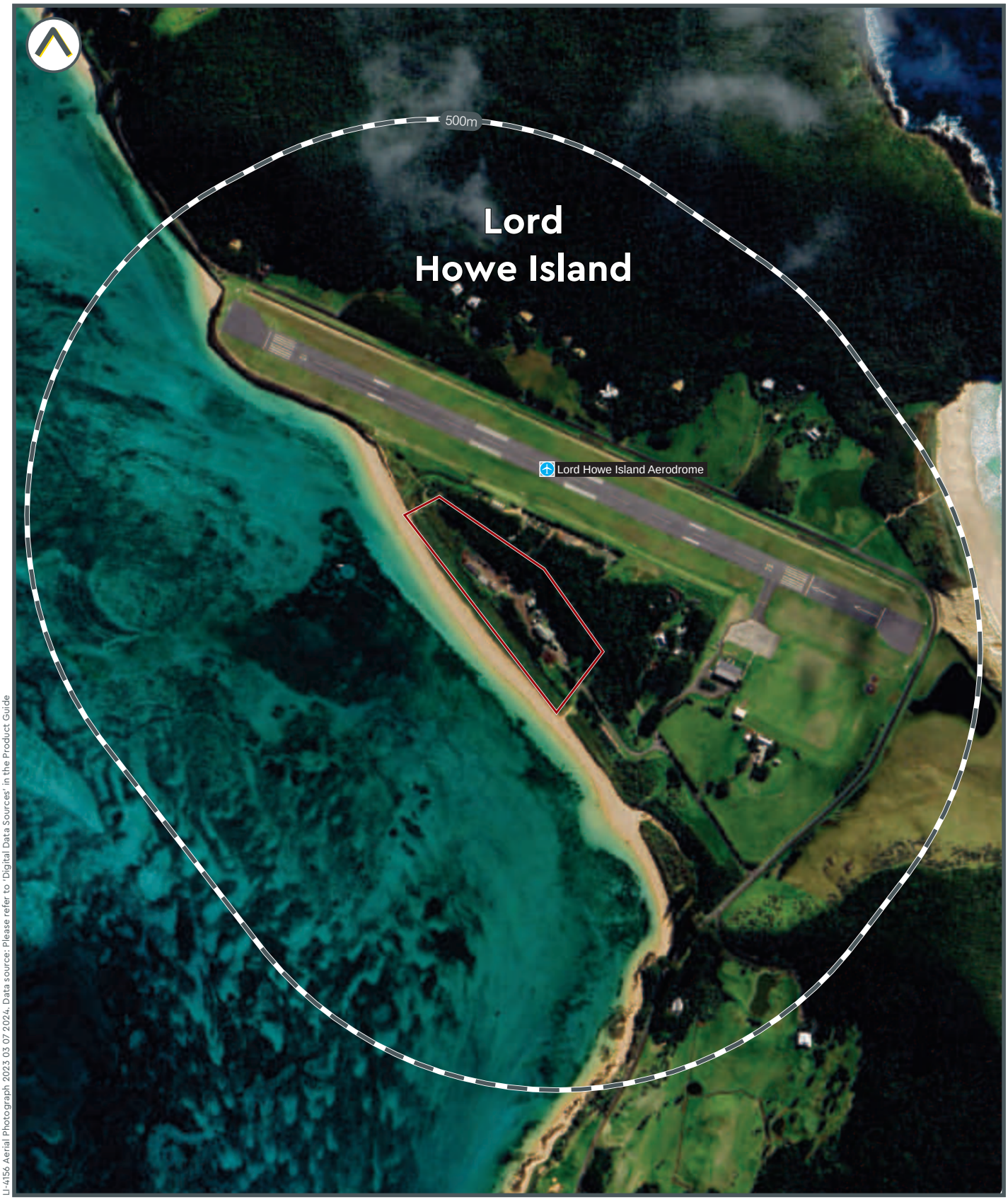
Subject area

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Historic Aerial Photograph - 2023



LI-4156 Aerial Photograph 2023 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

Subject area

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Historic 1:25,000 Topographic Map (1957)



LI-4156 Aerial Photograph 2023 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

Subject area

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Historic 1:25,000 Topographic Map (1962)



Subject area

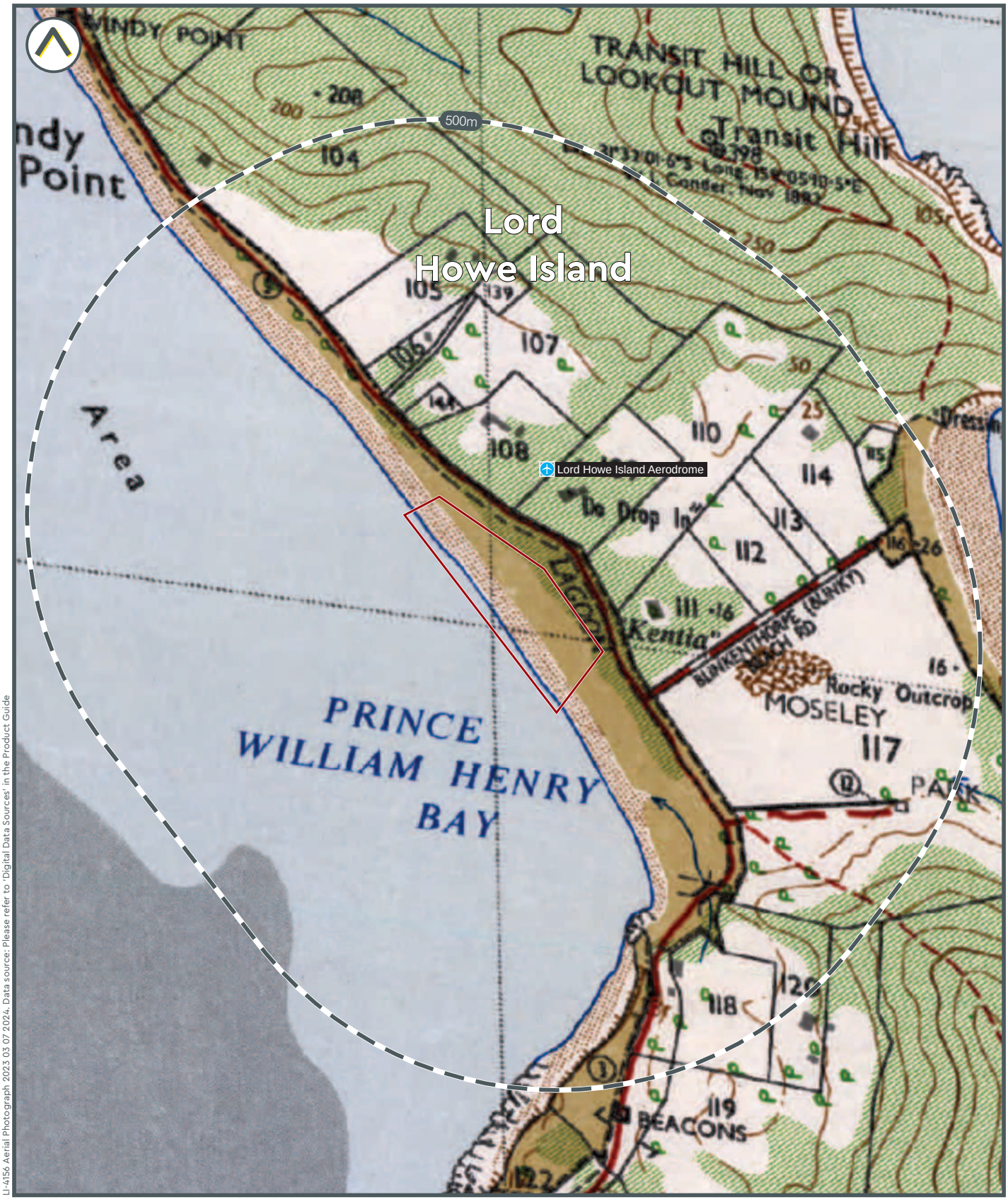
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LI-4156 Aerial Photograph 2023 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

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Historic 1:25,000 Topographic Map (1966)



Subject area

0 200m

LI-4156 Aerial Photograph 2023 03 07 2024. Data source: Please refer to 'Digital Data Sources' in the Product Guide

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Appendix C

Data Quality Indicators

DQIs for the project will be based on the field and laboratory considerations in NEPM Schedule B2 Appendix B, (NEPC 1999), which include:

- Completeness – a measure of the amount of useable data (expressed as %) from a data collection activity.
- Comparability – the confidence (expressed qualitatively) that data may be considered to be equivalent for each sampling and analytical event.
- Representativeness – the confidence (expressed qualitatively) that data are representative of each media present on the Site.
- Precision – a quantitative measure of the variability (or reproducibility) of data; and
- Accuracy – a quantitative measure of the closeness of reported data to the true value.

The DQIs adopted for this assessment and checking of compliance is discussed in Table D1 to D5 below.

Table D1 – Data Quality Indicators: Completeness

Completeness					
Field considerations	**DQI**	**DQI Compliance**	**Laboratory considerations**	**DQI**	**DQI Compliance**
All critical locations will be sampled	Samples will be collected as per Section 7	Yes	All critical samples analysed.	Samples analysed as per Section 7.	Yes
All samples collected	Samples will be collected from relevant media as per Section 7	Yes	All analytes analysed according to sampling plan	Samples analysed as per Section 7.	Yes
SOPs appropriate and complied with	SMEC SOPs/Field instructions will be implemented	Yes	Appropriate methods and limits of reporting	Samples analysed by laboratories NATA accredited for the analyses to be performed and appropriate methods will be used. LORs will be less than or equal to the assessment criteria.	Yes
Experienced sampler	An experienced SMEC environmental consultant will conduct the sampling	Yes	Sample documentation complete	CoCs returned, signed, and dated by laboratory. NATA endorsed laboratory certificates will be completed in accordance with NEPC (1999). Field documentation will be completed in accordance with SMEC SOPs/Field instructions.	Yes (refer to Appendix I)
Documentation correct	Samples will be handled and transported under appropriate chain of custody documentation. Sample Receipt Advice (SRA) (or equivalent) from the laboratory will be reviewed to assess that samples are received cool and in good condition. Calibration certificates for the field	Yes (minor exceptions, refer to Section 7) (refer to Appendix I)	Sample holding times complied with	Samples analysed within holding times specified by NEPC (1999, amended 2013)	Yes (minor exceptions, refer to Section 7) (refer to Appendix I)

Completeness					
	instruments will be provided daily.				

Table D2 – Data Quality Indicators: Comparability

Comparability					
Field considerations	**DQI**	**DQI Compliance**	**Laboratory considerations**	**DQI**	**DQI Compliance**
Same SOPs/Field instructions used on each occasion	SMEC SOPs/Field instructions will be implemented	Yes	Same sample analytical methods used	The same NATA accredited laboratory used to undertake analyses of all primary samples collected for this study. The laboratory will use the same analytical methods for each sample for each analytical parameter	Yes
Experienced sampler	An experienced SMEC environmental consultant will conduct the sampling.	Yes	Same sample limits of reporting (LOR)		Yes
Same types of samples collected	Samples will be collected in the appropriate laboratory supplied container specific to the analyses performed.	Yes	Same laboratories (justify/quantify if different)		Yes
			Same units (justify/quantify if different)		Yes

Table D3 – Data Quality Indicators: Representativeness

Representativeness					
Field considerations	**DQI**	**DQI Compliance**	**Laboratory considerations**	**DQI**	**DQI Compliance**
Appropriate media sampled according to sample plan	Samples will be collected and analysed as listed in Section 7Any variations will be justified.	Yes	All samples analysed according to sample plan	Samples collected and analysed as listed in Section 7. NATA accredited environmental testing laboratories will implement a quality control plan conforming to Schedule B (3) 'Guideline on Laboratory Analysis of Potentially Contaminated Soils' of the National Environment Protection (Assessment of Site Contamination Measure 1999 as amended (NEPC, 1999).	Yes
All media identified in sample plan sampled	Samples will be collected and analysed as listed in Section 7.	Yes	All samples analysed according to sample plan	Samples collected and analysed as listed in Section 7.	Yes

Table D4 – Data Quality Indicators: Precision

Precision					
Field considerations	**DQI**	**DQI Compliance**	**Laboratory considerations**	**DQI**	**DQI Compliance**
SOPs appropriate and complied with	SMEC SOPs/Field instructions will be implemented	Yes	Analysis of laboratory duplicates	The number of duplicate analyses should be the smaller of one per process batch or one per 10 samples.	Yes
Analysis of field duplicates	Collection of field duplicate samples including: • Field intra-laboratory duplicate samples (1 in 20 samples). • Field inter-laboratory duplicate samples (1 in 20 samples). Note: Field duplicates excluded for asbestos presence/absence testing	Yes	Analysis of field duplicates	Field duplicates have relative percentage difference (RPD) control limits: • Less than 30% (soil) where result is greater than 10 times limit of reporting (LOR). • No limit where result is less than 10 times LOR.	Minor exceptions (refer to section 7)
	Experienced and trained staff to carry out sampling. Sampling methodologies appropriate and complied with.	Yes	Analysis of laboratory duplicates	Laboratory duplicates have relative percentage difference (RPD) control limits: • 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% In accordance with laboratory specific QC Acceptance criteria.	Minor exceptions (refer to section 7)
			Analysis of laboratory-prepared volatile trip spikes	Trip spikes recoveries were recorded between 60% and 110% for volatile contaminants ($TRHC_6$-C_{10}/BTEX)	Yes

Precision					
			Analysis of laboratory-prepared volatile trip blanks	Trip blanks were free of detectable concentrations of volatile contaminants ($TRHC_6$-C_{10}/BTEX)	Yes

Table D5 – Data Quality Indicators: Accuracy (Bias)

Accuracy (bias)					
Field considerations	**DQI**	**DQI Compliance**	**Laboratory considerations**	**DQI**	**DQI Compliance**
SOP appropriate and complied with	SMEC SOPs/Field instructions will be implemented	Yes	Analysis of field blanks	A laboratory prepared trip blank analysed for soil sampling (as defined in NEPC (1999). Results are to be less than the LOR	Yes
Rinsate blank	Where reusable sampling equipment is utilised (if any) a rinsate blank will be analysed and results compared against the PQL.	Yes - No re-useable equipment used.	Analysis of method blank	Method blanks analysed as per NEPC (1999) at least 1 per process batch (typically 1 in 20). Results to be less than LOR	Yes, minor exceptions (refer to section 7)
Trip spike	One BTEX trip spike will be taken in the field and analysed. DQI - recoveries to be within 70% - 130% for organics	Yes	Analysis of matrix spike	Matrix spikes analysed as per NEPC (1999) (one matrix spike per soil type per process batch). Results to be within laboratory acceptance limits based on NEPC (1999). Acceptance limits are on the laboratory certificates (typically 70-130%, depends on analyte. A lower range typically accepted for phenols 30%-130%)	Yes, minor exceptions (refer to section 7)
Preservation, transport, and storage	Samples appropriately preserved in laboratory supplied containers, stored, and transported correctly and within holding times	Yes, minor exceptions (refer to section 7)	Analysis of surrogate spike	Surrogates analysed as per NEPC Schedule B3 (1999). All samples spiked where appropriate (e.g. chromatographic analysis of organics). Acceptance limits 70% to 130% (inorganics), or 50% to 150% (organics).	Yes, minor exceptions (refer to section 7)
=			Analysis of laboratory control samples	LCSs analysed as per NEPC Schedule B3 (1999) (at least 1 per batch). Results to be within laboratory acceptance limits based on NEPC (1999). Acceptance limits are on the laboratory certificates (typically 70-130%, depends on analyte)	Yes, minor exceptions (refer to section 7)
			Analysis of laboratory-prepared spikes	LPS analysed as per NEPC Schedule B3 (1999). Recovery results to be within laboratory acceptance limits based on NEPC Schedule B3 (1999). Acceptance limits are on the laboratory certificates.	Yes, minor exceptions (refer to section 7)

Appendix D

Engineering Logs and Field Records

Geological & Engineering Log

Project LHI CIP
Client LHI Board
Site
Job No 30013573A

East 507182.4 m
North 6510484.0 m
Elevation
Datum MGA2020-56/AHD

Start Date 2/7/2025
End Date 2/7/2025

Contractor Terratest
Rig Type Geoprobe
Mounting

Inclination -90°
Azimuth
North
Survey

Well Stickup 0.74 m

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Borehole Identifier: **BH01**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E			0.10m PID=5.4ppm		0.0				FILL Silty Sandy CLAY: low plasticity, dark brown and black, with angular gravel; with anthropogenic inclusions, glass, road base, asphalt, metal, ACM, wood/timber.	w<PL	S				FILL 0.00: Well stick-up is 0.74m with monument 0.10: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	GW01
				E			0.50m PID=10.9ppm												0.50: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	0.5
				E			1.00m PID=8.4ppm		1.0		CL								1.00: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	1.5
				E			2.00m PID=7.6ppm		2.0										2.00: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	2.0
				E			2.50m PID=5.2ppm					2.60							2.50: 1 glass, 1 PFAS, 1 Asb bag	
				E			3.00m PID=4.7ppm	2/7/2025	3.0				SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L				AEOLIAN SOIL	2.9
														M	L - D				3.00: 1 glass, 1 PFAS, 1 Asb bag	3.0
				E			4.00m PID=4.1ppm		4.0		SP			W					4.00: 1 glass, 1 PFAS, 1 Asb bag	4.0
									5.0											5.0
									6.0				BH Terminated at 6.00 m							5.9 6.0

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	LHI CIP	East	507197.5 m	Start Date	2/7/2025	Contractor	Terratest
Client	LHI Board	North	6510497.2 m	End Date	2/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination -90°
Azimuth
North
Survey

smec

Borehole Identifier: **BH02**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E-QA03/03a			0.10m PID=7.7ppm		0.0		SP	0.15	FILL SAND: coarse grained, pale grey, with crushed glass.	M	L - MD				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
				E			0.50m PID=15.7ppm						SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L				AEOLIAN SOIL 0.50: 1 glass, 1 PFAS, 1 ASS	
				E			1.20m PID=7.3ppm		1.0		SP								1.20: 1 glass, 1 PFAS, 1 ASS	1.0
				E			2.20m PID=8.1ppm		2.0			2.50	SAND: coarse grained, pale grey and pale yellow.		L - MD				2.20: 1 glass, 1 PFAS, 1 ASS	2.0
				E					3.0		SP								3.00: ASS bag	3.0
				E				▶	4.0					W					4.00: ASS bag	4.0
				E					5.0			5.20	BH Terminated at 5.20 m						5.20: ASS bag	5.0
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	LHI CIP	East	507195.3 m	Start Date	2/7/2025	Contractor	Terratest
Client	LHI Board	North	6510485.5 m	End Date	2/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination -90°
Azimuth North
Survey

smec

Borehole Identifier: **BH03**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E-QA04/04a			0.10m PID=5.4ppm		0.0		SP	0.15	FILL SAND: coarse grained, pale grey, with crushed glass.	M	L - MD				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
													SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L				AEOLIAN SOIL	
				E			0.50m PID=7.1ppm												0.50: 1 glass, 1 PFAS	
				E			1.00m PID=8.7ppm		1.0		SP								1.00: 1 glass, 1 PFAS	1.0
				E			2.00m PID=8.1ppm		2.0			2.50							2.00: 1 glass, 1 PFAS	2.0
													SAND: coarse grained, pale grey and pale yellow.		L - MD					
								▶	3.0		SP			W						3.0
									4.0											4.0
									5.0			5.20								5.0
													BH Terminated at 5.20 m							
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	LHI CIP	East	507179.1 m	Start Date	1/7/2025	Contractor	Terratest
Client	LHI Board	North	6510519.3 m	End Date	1/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Borehole Identifier: **BH04**

Depth (m) / Elevation	Graphic Log	Soil Code	Depth RL	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations
0.0			0.15	CONCRETE: hardstand.			HARDSTAND 0.10: Well stick-down is 0.095m with gatic cover
		SP		SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L	AEOLIAN SOIL 0.20: 1 glass, 1 PFAS
1.0							1.20: 1 glass, 1 PFAS
2.0			2.50				
		SP		SAND: coarse grained, pale grey and pale yellow.		L - MD	2.50: 1 glass, 1 PFAS
3.0							
4.0					W		4.50: 1 glass, 1 PFAS
5.0			5.20				
6.0				BH Terminated at 6.00 m			

Method	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow
PT	E			0.20m PID=4.6ppm	
	E			1.20m PID=4.3ppm	
	E			2.50m PID=5.1ppm	1/7/2025
	E			4.50m PID=4.3ppm	

Installation: GW02 — 0.5, 1.5, 2.9, 5.8

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	LHI CIP	East	507168.5 m	Start Date	1/7/2025	Contractor	Terratest
Client	LHI Board	North	6510525.4 m	End Date	1/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination -90°
Azimuth North
Survey

smec

Borehole Identifier: **BH05**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E			0.30m PID=3ppm		0.0			0.30	CONCRETE.						HARDSTAND	
				E			1.30m PID=2.3ppm		1.0		SP		SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L				AEOLIAN SOIL 0.30: 1 glass, 1 PFAS 1.30: 1 glass, 1 PFAS	1.0
				E			2.50m PID=2.4ppm		2.0			2.50	SAND: coarse grained, pale grey and pale yellow.		L - MD				2.50: 1 glass, 1 PFAS	2.0
									3.0		SP			W	L					3.0
				E			5.00m PID=2.8ppm		4.0										5.00: 1 glass, 1 PFAS	4.0
									5.0			5.20	BH Terminated at 5.20 m							5.0
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	LHI CIP	East	507160.0 m	Start Date	1/7/2025	Contractor	Terratest
Client	LHI Board	North	6510520.9 m	End Date	1/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Borehole Identifier: **BH06**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E			0.10m PID=2.8ppm		0.0			0.10	ASPHALT.	D					ROAD BASE	
											CL		FILL Gravelly CLAY: low plasticity, pale grey, gravel is angular.	w<PL	S - F				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
				E			0.50m PID=3.1ppm					0.40	SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L - MD				AEOLIAN SOIL 0.50: 1 glass, 1 PFAS, 1 Asb bag	
				E			1.00m PID=2.5ppm		1.0										1.00: 1 glass, 1 PFAS, 1 Asb bag	1.0
				E			2.00m PID=2.9ppm		2.0										2.00: 1 glass, 1 PFAS, 1 Asb bag	2.0
														M						
									3.0		SP									3.0
									4.0					W						4.0
									5.0											5.0
												5.20	BH Terminated at 5.20 m							
									6.0											

Observations and Comments

Notes

Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	LHI CIP	East	507160.0 m	Start Date	30/6/2025	Contractor	Terratest
Client	LHI Board	North	6510520.9 m	End Date	30/6/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination -90°
Azimuth North
Survey

smec

Borehole Identifier: **BH07**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E			0.10m PID=3.8ppm		0.0		CL	0.30	FILL Gravelly CLAY: low plasticity, pale grey, gravel is angular.	w<PL	S - F				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
				E			0.50m PID=2.2ppm						SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L				AEOLIAN SOIL 0.50: 1 glass, 1 PFAS, 1 Asb bag, ASS bag	
				E			1.00m PID=1.8ppm		1.0										1.00: 1 glass, 1 PFAS, 1 Asb bag, ASS bag	1.0
				E			2.00m PID=1.3ppm		2.0		SP								2.00: 1 glass, 1 PFAS, 1 Asb bag, ASS bag	2.0
				E			3.00m PID=2.1ppm		3.0										3.00: 1 glass, 1 PFAS, 1 Asb bag, ASS bag	3.0
				E			4.00m PID=3.2ppm		4.0					W	L - MD				4.00: ASS bag	4.0
				E			5.00m PID=2.6ppm		5.0			5.20							5.00: ASS bag	5.0
									6.0				BH Terminated at 5.20 m							

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	LHI CIP	East	507110.8 m	Start Date	30/6/2025	Contractor	Terratest
Client	LHI Board	North	6510582.2 m	End Date	30/6/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°	Borehole Identifier:	**BH08**
Azimuth			
North			
Survey			

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E			0.10m PID=1.9ppm		0.0		CL	0.30	FILL Gravelly CLAY: low plasticity, pale grey, gravel is angular.	w<PL	S - F				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
				E			0.40m PID=3.7ppm				CL-CI	0.60	FILL Silty Sandy CLAY: low to medium plasticity, pale grey, sand is fine to coarse grained; with angular gravel.						0.40: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
				E			0.90m PID=2.3ppm		1.0		SP		SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L				AEOLIAN SOIL 0.90: 1 glass, 1 PFAS, 1 Asb bag	1.0
				E			2.00m PID=4.1ppm		2.0										2.00: 1 glass, 1 PFAS, 1 Asb bag	2.0
									3.0											3.0
								▶	4.0					W	L - MD					4.0
									5.0			5.20								5.0
													BH Terminated at 5.20 m							
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	LHI CIP	East	507101.7 m	Start Date	30/6/2025	Contractor	Terratest
Client	LHI Board	North	6510598.8 m	End Date	30/6/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD			Inclination	-90°
						Azimuth North	
						Survey	

smec

Borehole Identifier: **BH09**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E-QA02/02a			0.10m PID=3.9ppm		0.0		CL	0.30	FILL Gravelly CLAY: low plasticity, pale grey, gravel is angular; with crushed glass.	w<PL	S - F				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
				E			0.50m PID=2.4ppm				CL -Cl	0.60	FILL Silty Sandy CLAY: low to medium plasticity, dark brown, sand is fine to coarse grained; with angular gravel; with crushed glass, road base/asphalt/cold mix.						0.50: 1 glass, 1 PFAS, 1 Asb bag, 1 Micro	
				E			1.00m PID=2.5ppm		1.0		SP		SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L				AEOLIAN SOIL 1.00: 1 glass, 1 PFAS, 1 Asb bag	1.0
				E			2.00m PID=2.1ppm		2.0										2.00: 1 glass, 1 PFAS, 1 Asb bag	2.0
				E			3.00m PID=1.6ppm		3.0										3.00: 1 glass, 1 PFAS, 1 Asb bag	3.0
								▶	4.0					W	L - MD					4.0
									5.0			5.20								5.0
													BH Terminated at 5.20 m							
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project LHI CIP
Client LHI Board
Site
Job No 30013573A

East 507077.8 m
North 6510618.2 m
Elevation
Datum MGA2020-56/AHD

Start Date 30/6/2025
End Date 30/6/2025

Contractor Terratest
Rig Type Geoprobe
Mounting

Inclination -90°
Azimuth
North
Survey

smec

Borehole Identifier: **BH10**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E-QA01/01a E			0.10m PID=2.5ppm		0.0		CL-CI	0.15	FILL Silty Sandy CLAY: low to medium plasticity, dark brown, sand is fine to coarse grained; trace angular gravel.	w<PL	S				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag 0.12: Well stick-down is 0.12m with gatic cover 0.20: 1 glass, 1 PFAS, 1 Asb bag 0.40: 1 glass, 1 PFAS, 1 Asb bag	GW03 0.5
				E			0.20m PID=8.3ppm				CL	0.35	FILL Gravelly CLAY: low plasticity, pale grey, gravel is angular.		S - F					
				E			0.40m PID=3.5ppm				CL	0.60	FILL Silty Sandy CLAY: low plasticity, dark brown, sand is fine to coarse grained; with plastics.		S					
				E			0.70m PID=1.8ppm		1.0				SAND: fine to coarse grained, pale yellow, coarser with depth.	M	L				AEOLIAN SOIL 0.70: 1 glass, 1 PFAS, 1 Asb bag, ASS bag	1.5
				E			1.50m PID=2.8ppm												1.50: 1 glass, 1 PFAS, 1 Asb bag, ASS bag	
				E					2.0										2.00: ASS bag	2.0
				E															2.50: ASS bag	
				E				30/6/2025	3.0		SP								3.00: ASS bag	3.0
				E					4.0					W					4.00: ASS bag	4.0
				E					5.0										5.00: ASS bag	5.0 5.2
									6.0				BH Terminated at 6.00 m							6.0

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	LHI CIP	East	507077.8 m	Start Date	30/6/2025	Contractor	Terratest
Client	LHI Board	North	6510618.2 m	End Date	30/6/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°	Borehole Identifier:	**BH10**
Azimuth			
North			
Survey			

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
				E					6.0										6.00: ASS bag	
									7.0											7.0
									8.0											8.0
									9.0											9.0
									10.0											10.0
									11.0											11.0
									12.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By	JP	Date	30/6/2025
Approved By	AGK	Date	22/8/2025
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Geological & Engineering Log

Project	LHI CIP	East	507160.0 m	Start Date	1/7/2025	Contractor	Terratest
Client	LHI Board	North	6510535.8 m	End Date	1/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Borehole Identifier: **BH11**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E			0.20m PID=4.8ppm		0.0			0.15	CONCRETE: hardstand.	D					HARDSTAND	
													SAND: fine to coarse grained, pale yellow, coarser with depth.		L				AEOLIAN SOIL 0.20: 1 glass, 1 PFAS	
				E			1.20m PID=5.2ppm		1.0		SP								1.20: 1 glass, 1 PFAS	1.0
							2.20m PID=5.4ppm		2.0			2.50							2.20: PID only	2.0
													SAND: coarse grained, pale grey and pale yellow.		L - MD					
									3.0											3.0
											SP									
									4.0					W						4.0
									5.0			5.20								5.0
													BH Terminated at 5.20 m							
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By	JP	Date	1/7/2025
Approved By	AGK	Date	22/8/2025
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Geological & Engineering Log

Project	LHI CIP	East	507123.1 m	Start Date	2/7/2025	Contractor	Terratest
Client	LHI Board	North	6510590.4 m	End Date	2/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD			Inclination	-90°
						Azimuth North	
						Survey	

smec

Borehole Identifier: **BH12**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
PT				E			0.10m PID=4.4ppm		0.0		CL	0.30	FILL Gravelly CLAY: low plasticity, pale grey, gravel is angular; with crushed glass.	w<PL	S - F				FILL 0.10: 1 glass, 1 PFAS, 1 Asb bag	
				E			0.50m PID=4.7ppm				CL -Cl	0.60	FILL Silty Sandy CLAY: low to medium plasticity, dark brown, sand is fine to coarse grained; with angular gravel; with crushed glass, road base/asphalt/cold mix.						0.50: 1 glass, 1 PFAS, 1 Asb bag	
				E			1.00m PID=4.5ppm		1.0		SP		SAND: fine to coarse grained, pale yellow.	D	L				AEOLIAN SOIL 1.00: 1 glass, 1 PFAS	1.0
				E			2.00m PID=3.8ppm		2.0			2.50							2.00: 1 glass, 1 PFAS	2.0
													SAND: coarse grained, pale grey and pale yellow.		L - MD					
				E			4.00m PID=4.1ppm		3.0		SP			W					4.00: 1 glass, 1 PFAS	3.0
									4.0											4.0
									5.0			5.20	BH Terminated at 5.20 m							5.0
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project LHI CIP
Client LHI Board
Site
Job No 30013573A

East
North
Elevation
Datum MGA2020-56/AHD

Start Date 3/7/2025
End Date 3/7/2025

Contractor Terratest
Rig Type Geoprobe
Mounting

Inclination -90°
Azimuth
North
Survey

smec

Borehole Identifier: **R01**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
SFA				E					0.0		CL-CI		FILL Silty Sandy CLAY: low to medium plasticity, dark brown, sand is fine to coarse grained; trace angular gravel.	w<PL	S				FILL 0.10: 1 soil bag	
				E								0.90								
									1.0				SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L - MD				AEOLIAN SOIL 0.90: 1 soil bag	1.0
									2.0		SP									2.0
									3.0											3.0
				E				▶	4.0			4.00	SAND: coarse grained, pale yellow.	M	L				4.00: 1 soil bag	4.0
				E					5.0		SP			W					5.00: 1 soil bag	5.0
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By JP Date 3/7/2025
Approved By Date
Status Draft

Geological & Engineering Log

Project	LHI CIP	East		Start Date	3/7/2025	Contractor	Terratest
Client	LHI Board	North		End Date	3/7/2025	Rig Type	Geoprobe
Site		Elevation				Mounting	
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Borehole Identifier: **R01**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
SFA				E					6.0		SP		SAND: coarse grained, pale yellow. *(continued)*	W	L				AEOLIAN SOIL	
									7.0											7.0
									8.0											8.0
									9.0			9.00	Sandy CLAY / Clayey SAND: low plasticity, pale grey, sand is coarse grained.	w>LL	S				9.00: 1 soil bag	9.0
									10.0		CL /SC									10.0
									11.0											11.0
												11.50	BH Terminated at 11.50 m Maximum depth of equipment reached							
									12.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By	JP	Date	3/7/2025
Approved By		Date	
Status	Draft		

Geological & Engineering Log

Project LHI CIP
Client LHI Board
Site
Job No 30013573A

East
North
Elevation
Datum MGA2020-56/AHD

Start Date 3/7/2025
End Date 3/7/2025

Contractor Terratest
Rig Type Geoprobe
Mounting

Inclination -90°
Azimuth
North
Survey

Borehole Identifier: **R02**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
SFA				E					0.0		CL	0.40	FILL Silty Sandy CLAY: low plasticity, pale brown and grey, with angular gravel.	w<PL	S				FILL 0.10: 1 soil bag	
				E							SP		SAND: fine to coarse grained, pale yellow, coarser with depth.	D	L - MD				AEOLIAN SOIL 0.50: 1 soil bag	
									1.0											1.0
									2.0											2.0
									3.0											3.0
				E				▶	4.0			4.00	SAND: coarse grained, pale yellow.	M	L				4.00: 1 soil bag	4.0
				E					5.0		SP								5.00: 1 soil bag	5.0
									6.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By JP Date 3/7/2025
Approved By Date
Status Draft

Geological & Engineering Log

Project LHI CIP
Client LHI Board
Site
Job No 30013573A

East
North
Elevation
Datum MGA2020-56/AHD

Start Date 3/7/2025
End Date 3/7/2025

Contractor Terratest
Rig Type Geoprobe
Mounting

Inclination -90°
Azimuth
North
Survey

Borehole Identifier: **R02**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
SFA				E					6.0		SP		SAND: coarse grained, pale yellow. *(continued)*	M	L				AEOLIAN SOIL	
									7.0											7.0
									8.0			8.50								8.0
													SAND: coarse grained, pale yellow, with low plasticity clay.	W					8.50: 1 soil bag	
									9.0											9.0
									10.0		SP									10.0
									11.0											11.0
												11.50	BH Terminated at 11.50 m Maximum depth of equipment reached							
									12.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By JP Date 3/7/2025
Approved By Date
Status Draft

Geological & Engineering Log

Project	LHI CIP	East		Start Date	3/7/2025	Contractor	Terratest	Inclination	-90°
Client	LHI Board	North		End Date	3/7/2025	Rig Type	Geoprobe	Azimuth	
Site		Elevation				Mounting		North	
Job No	30013573A	Datum	MGA2020-56/AHD					Survey	

Borehole Identifier: **R03**

Depth (m) / Elevation	Graphic Log	Soil Code	Depth / RL	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SP	0.15	FILL SAND: coarse grained, pale grey, with crushed glass.	M	L - MD	FILL	
				SAND: fine to coarse grained, pale yellow, coarser with depth.	D		0.10: 1 soil bag AEOLIAN SOIL	
							0.50: 1 soil bag	
1.0		SP						1.0
2.0			2.50					2.0
				SAND: coarse grained, pale yellow/grey.		L	2.50: 1 soil bag	
3.0								3.0
4.0		SP			M		4.00: 1 soil bag	4.0
5.0					W		5.00: 1 soil bag	5.0
6.0								

Method: SFA

Sampling: E

Testing: SPT (Recovered length), DCP, PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Alteration

Weathering

Rock Strength

Observations and Comments

Notes

Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By	JP	Date	3/7/2025
Approved By		Date	
Status	Draft		

Geological & Engineering Log

Project LHI CIP
Client LHI Board
Site
Job No 30013573A

East
North
Elevation
Datum MGA2020-56/AHD

Start Date 3/7/2025
End Date 3/7/2025

Contractor Terratest
Rig Type Geoprobe
Mounting

Inclination -90°
Azimuth
North
Survey

Borehole Identifier: **R03**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	Soil Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
SFA				E					6.0		SP		SAND: coarse grained, pale yellow/grey. *(continued)*	W	L				AEOLIAN SOIL	
									7.0			8.50	SAND: coarse grained, pale grey, with low plasticity clay.						8.50: 1 soil bag	
									8.0											
									9.0											
									10.0		SP									
									11.0			11.50	BH Terminated at 11.50 m Maximum depth of equipment reached							
									12.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By JP Date 3/7/2025
Approved By Date
Status Draft

Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507224.6 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510497.8 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP01**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=0.7ppm	Not Encountered	0.0		SP	0.20	Stockpiled FILL SAND: fine to medium grained, brown.	M	D				Stockpiled FILL	
													0.20: With roots and rootlets							
											SM		TOPSOIL SAND: fine to medium grained, brown, with silt.	M	D				TOPSOIL	
				ES			0.50m PID=1.2ppm		0.5			0.60								0.5
											SP		SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	
									1.0			1.40								1.0
													Hole Terminated at 1.40 m							
									1.5											1.5
									2.0											2.0
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

Logged By	ED	Date 24/10/2024
Approved By	SD	Date 13/11/2024
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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507225.0 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510486.4 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP02**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM		TOPSOIL Silty SAND: fine to medium grained, brown, with roots.	M	D				TOPSOIL	
				0.10: Plastic pipe							
			0.20	0.20: Trace plastic debris						AEOLIAN	
				SAND: fine to medium grained, pale brown.	M	D					
				0.30: Trace shell fragment							
0.5				0.50: Trace shell fragment							0.5
1.0		SP									1.0
1.5			1.80								1.5
				Hole Terminated at 1.80 m							
				Due to test pit collapsing							
2.0											2.0
2.5											2.5
3.0											3.0
3.5											3.5
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.10m PID=1.1ppm; ES at 1.00m PID=1.3ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Approved By	SD	Date 13/11/2024
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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507215.3 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510486.4 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP03**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=0.9ppm	Not Encountered	0.0		SM	0.20	TOPSOIL SAND: fine to medium grained, brown, with silt; with rootlets. 0.00: Concrete rubble, timber plank and plastic on the surface of pit 0.10: Trace plastic debris	M	D				TOPSOIL	
													SAND: fine to medium grained, brown.	M	D				AEOLIAN	
				ES			0.50m PID=1.7ppm		0.5		SP									0.5
									1.0											1.0
									1.5			1.50	Hole Terminated at 1.50 m Target depth reached							1.5
									2.0											2.0
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Approved By	SD	Date 13/11/2024
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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507206.6 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510498.2 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP04**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Sampling	PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Installation
0.0				FILL CRUSHED GLASS: fine to medium grained, trace plastic, bottle cap.	M	D	FILL	ES	0.10m PID=0.3ppm	Not Encountered	
			0.40								
0.5		SP		FILL SAND: dark brown, with gravel; with anthropogenic waste (glass fragment, plastic debris) throughout. 0.50: Metal can lid	M	D		ES	0.50m PID=2.3ppm		0.5
1.0				0.70: Glass bottle				ES	1.00m PID=2.1ppm		1.0
1.5				1.30: Plastic debris, metal pipe							1.5
2.0			2.40								2.0
2.5		SP		SAND: fine to medium grained, pale brown, trace shell.	M	D	AEOLIAN				2.5
3.0			3.10								3.0
3.5				Hole Terminated at 3.10 m Target depth reached							3.5
4.0											

Method: E

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507211.8 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510475.3 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP05**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=1.9ppm	Not Encountered	0.0		SM	0.15	TOPSOIL Silty SAND: fine to medium grained, brown, trace gravel; with rootlets.	M	D				TOPSOIL	
													SAND: fine to medium grained, pale brown, with roots. 0.20-0.40: With roots	M	D				AEOLIAN	
				ES			0.50m PID=1.3ppm		0.5		SP									0.5
									1.0											1.0
									1.5			1.70								1.5
													Hole Terminated at 1.70 m							
									2.0											2.0
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507192.3 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510476.9 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	3.00 m x 0.40 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP06**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Installation
0.0				FILL Silty SAND: fine to medium grained, brown, with plastic throughout, glass fragments throughout.	M	D				FILL						
0.5		SM									ES			0.50m PID=0.6ppm		
1.0				1.40: Refusal on metal object												
1.5			1.50							1.40: Hole moved further south towards TP07 1.50: Sample ~10kg sieved, no FA observed, PACM in good condition	ES			1.50m PID=0.6ppm	Not Encountered	
				FILL SAND: fine to medium grained, dark brown, with silt; with gravel; PACM, glass fragments, ceramic tiles throughout.	M	D										
				1.70: Glass bottle												
				1.90: Concrete rubble												
2.0		SM		2.10: Timber log						2.00: Sample ~10kg sieved, no FA observed, PACM in good condition	ES			2.00m PID=0.9ppm		
2.5																
3.0			3.00	Hole Terminated at 3.00 m Target depth reached												
3.5																
4.0																

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507183.4 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510472.9 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

smec

Pit Identifier: **TP07**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM		FILL Silty SAND: fine to medium grained, dark brown, with roots, plastic debris throughout.	M	D				FILL	
				0.20: Trace glass							
				0.40: Trace glass							
0.5			0.50	FILL SAND: fine to medium grained, brown, with silt; with plastic debris throughout, glass debris throughout.	D	D					0.5
				0.80: Concrete cobble							
1.0											1.0
				1.40: PVC pipe							
1.5		SM									1.5
										1.80: Sample ~10kg sieved, no FA observed, PACM in good condition	
2.0											2.0
				2.30: Metal bar							
2.5			2.80								2.5
3.0				Hole Terminated at 2.80 m Refusal							3.0
3.5											3.5
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.20m PID=0.6ppm; ES at 1.00m PID=0.5ppm; ES at 1.80m PID=1ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes

Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507173.9 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510478.6 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP08**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM	0.50	FILL SAND: fine to medium grained, dark brown, with silt; with roots, plastic debris throughout.	M	D				FILL	
0.5		SP	1.90	FILL Gravelly SAND: fine to medium grained, brown, PACM (>100), plastic debris throughout.	M	D				0.60: Sample ~10kg sieved, 4 FA (i.e. <7mm) observed, PACM in good condition	
1.0											
1.5											
2.0				Hole Terminated at 1.90 m Due to number of PACM encountered							
2.5											
3.0											
3.5											
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.10m PID=1.2ppm; ES at 0.60m PID=1.3ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507167.3 m	Start Date	23/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510486.4 m	End Date	23/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD			Inclination	-90°
						Azimuth	
						North	
						Survey	

smec

Pit Identifier: **TP09**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=1.7ppm	Not Encountered	0.0		SM	0.50	TOPSOIL Silty SAND: dark brown, with rootlets, plastic debris, ceramic tiles, glass fragments throughout.	M	D				TOPSOIL 0.10: Sample ~9kg sieved, no FA observed	0.5
									0.5				FILL SAND: brown, with silt; with anthropogenic waste (glass fragment, ceramic fragments, wires) throughout.	M	D				FILL	1.0
				ES			1.50m PID=0.8ppm		1.5		SM		1.80: Metal rod 1.80-3.10: Concrete rubble (cobbles)						1.50: Sample ~11kg sieved, no FA observed, PACM in good condition	2.0
				ES			2.70m PID=1.3ppm		2.5			3.10							2.70: Sample ~12kg sieved, no FA observed, PACM in good condition	3.0
									3.5				Hole Terminated at 3.10 m Refusal on possible concrete							3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507177.7 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510488.2 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP10**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			1.00m PID=0.8ppm	Not Encountered	0.0		SM	0.20	FILL SAND: dark brown, with silt; ACM, glass and ceramic fragments on surface. 0.10: Trace glass fragment	M	D				FILL	
									0.5				FILL Gravelly SAND: dark brown, brown, white, grey throughout, with silt; PACM, glass, ceramic tiles throughout.	M	D					0.5
									1.0										1.00: Sample 10kg sieved. No FA observed.	1.0
				ES			2.00m PID=0.5ppm		1.5		SM									1.5
									2.0										2.00: Sample 11kg sieved. No FA observed.	2.0
				ES			3.00m PID=0.1ppm		2.5										2.90: Sample 11kg sieved. No FA observed.	2.5
									3.0			3.00	Hole Terminated at 3.00 m Target depth reached							3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507167.6 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510511.8 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP11**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		GP		COMPACTED GRAVEL: grey, loosely cemented.	M	VD	HARDSTAND	
		GM		Silty GRAVEL: fine to medium grained, red-brown.	M	D	ROADBASE	
			0.25					
				FILL SAND: fine to medium grained, with gravel; trace plastic, trace wire.	M	D	FILL	
0.5		SP						0.5
			0.90					
1.0		SP		FILL SAND: brown, with broken bottles, fence wire and PACM fragments throughout.	M	D	FILL (BURN PIT)	1.0
			1.30				1.20: Sample ~10kg sieved, no FA observed, fragment >15mm, PACM in good condition	
1.5				Hole Terminated at 1.30 m Due to hazards associated with test pit close to access road and WMF while accessed by the public				1.5
2.0								2.0
2.5								2.5
3.0								3.0
3.5								3.5
4.0								

Method: E

Sampling: ES at 0.20m PID=0.8ppm; ES at 0.50m PID=1.1ppm; ES at 1.20m PID=0.4ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Casing; Progress Water (Loss/Return); Run (TCR) RQD

Alteration; Weathering; Rock Strength

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507189.7 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510518.6 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP12**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		GP		COMPACTED GRAVEL: grey, loosely cemented.	D	VD	HARDSTAND	
		GP	0.20	Sandy GRAVEL: fine grained, dark grey.	D	D	ROADBASE	
				FILL SAND: fine to medium grained, brown, with gravel. 0.30: With styrofoam, trace plastic debris	M	D	FILL	
0.5		SP		0.70: Trace plastic debris				0.5
				0.90: Trace plastic debris				
1.0				1.10: Trace plastic debris				1.0
1.5			1.50	SAND: fine to medium grained, pale brown.	M	D	AEOLIAN	1.5
		SP		1.70: Trace shell				
			1.90	Hole Terminated at 1.90 m Due to test pit collapsing				
2.0								2.0
2.5								2.5
3.0								3.0
3.5								3.5
4.0								

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow
E				ES			0.50m PID=0.7ppm	Not Encountered
				ES			1.00m PID=0.3ppm	

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507178.9 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510541.6 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD			Inclination	-90°
						Azimuth North	
						Survey	

smec

Pit Identifier: **TP13**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM	0.20	FILL SAND: fine to medium grained, brown, with silt; trace gravel; trace cobbles, with rootlets.	M	D				FILL	
		GM	0.30	Silty GRAVEL: dark grey, (blue metal).	M	VD				ROADBASE	
				FILL SAND: fine to medium grained, brown, trace cobble.	M	D				FILL	
0.5		SP		0.60: Trace plastic							0.5
1.0				1.10: Trace plastic							1.0
			1.40								
1.5		SP		SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	1.5
2.0			2.30								2.0
				Hole Terminated at 2.30 m							
2.5											2.5
3.0											3.0
3.5											3.5
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.10m PID=1.1ppm; ES at 0.50m PID=1.4ppm; ES at 1.00m PID=1.1ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507175.2 m	Start Date	24/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510551.3 m	End Date	24/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP14**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM	0.20	TOPSOIL Silty SAND: fine to medium grained, dark brown, with rootlets. 0.10: Trace plastic cup	M	D				TOPSOIL	
				FILL SAND: fine to medium grained, brown. 0.30: Plastic debris	M	D				FILL	
0.5		SP		0.70: Soda can 0.90: Plastic bottle							0.5
1.0			1.40								1.0
1.5		SP		SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	1.5
			1.90	Hole Terminated at 1.90 m							
2.0											2.0
2.5											2.5
3.0											3.0
3.5											3.5
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.10m PID=0.8ppm; ES at 0.50m PID=2.7ppm; ES at 1.00m PID=2.1ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507161.2 m	Start Date	23/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510548.8 m	End Date	23/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP15**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM		FILL Silty SAND: fine to medium grained, brown.	M	D	FILL	
				0.10: Trace cardboard				
0.5			0.70	0.70: Trace rope fragment, thin layer of gravel (blue metal) approximately 100mm				
				FILL SAND: fine to medium grained, brown, with gravel.	M	D		
1.0		SP						
				1.40: Trace ceramic tile and plastic debris				
1.5			1.90				AEOLIAN	
2.0		SP		SAND: fine to medium grained, pale brown.	M	D		
			2.30	Hole Terminated at 2.30 m				
2.5								
3.0								
3.5								
4.0								

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.10m PID=3.1ppm; ES at 0.50m PID=2.5ppm; ES at 1.00m PID=2.1ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Weathering

Rock Strength

Observations and Comments

Notes Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507165.3 m	Start Date	23/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510565.6 m	End Date	23/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP16**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM		TOPSOIL Silty SAND: dark brown, with roots and rootlets.	M	D				TOPSOIL	
			0.20	0.05: Trace coarse grained gravel							
				FILL SAND: fine to medium grained, brown, with gravel; with roots.	M	D				FILL	
				0.40: Trace plastic							
0.5											0.5
		SP		0.70: Trace beer can							
				0.80: Trace plastic							
1.0											1.0
				1.30: Trace plastic							
			1.40								
1.5				SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	1.5
		SP									
2.0											2.0
2.5											2.5
			2.70								
				Hole Terminated at 2.70 m Due to test pit collapsing							
3.0											3.0
3.5											3.5
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.10m PID=1.6ppm; ES at 0.50m PID=1.9ppm; ES at 1.00m PID=2.6ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507156.3 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510556.6 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP17**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM	0.20	TOPSOIL Silty SAND: dark brown, with roots and rootlets, trace plastic debris. 0.10: Trace soda can	M	D	TOPSOIL	
		SP	0.90	FILL SAND: fine to medium grained, brown, trace gravel. 0.30: Trace fabric, trace coarse grained rounded gravel 0.60: Trace plastic	M	D	FILL	
1.0		SP	1.70	SAND: fine to medium grained, pale brown, trace shell fragment.	M	D	AEOLIAN	
				Hole Terminated at 1.70 m				

Method: E

Casing:

Progress Water (Loss/Return):

Run (TCR) RQD:

Sampling: ES at 0.10m PID=3.2ppm; ES at 0.50m PID=3.2ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Alteration:

Weathering:

Rock Strength:

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507150.0 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510559.4 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP18**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=0.7ppm	Not Encountered	0.0		SM	0.25	TOPSOIL Silty SAND: dark brown, trace angular gravel. 0.10: Trace plastic	M	D				TOPSOIL	
				ES			0.50m PID=1.3ppm		0.5		SP	0.80	FILL SAND: fine to medium grained, brown. 0.40: Trace plastic debris 0.70: Trace plastic debris and metal fork	M	D				FILL	0.5
									1.0		SP	2.10	SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	1.0
									1.5											1.5
									2.0				Hole Terminated at 2.10 m Due to test pit collapsing							2.0
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507150.0 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510566.9 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP19**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=2.5ppm	Not Encountered	0.0		GP		COMPACTED GRAVEL: grey, with crushed glass on surface.	D	VD				ROADBASE	
													FILL SAND: fine to medium grained, brown, trace gravel.	M	D				FILL	
													0.20: Plastic debris							
									0.5											0.5
											SP		0.60: Plastic debris and styrofoam plate fragment							
				ES			1.00m PID=1.7ppm		1.0											1.0
													1.20: Plastic debris							
												1.40								
									1.5		SP		SAND: fine to medium grained, pale yellow-brown.	M	D				AEOLIAN	1.5
												1.80								
													Hole Terminated at 1.80 m Due to test pit collapsing							
									2.0											2.0
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507120.8 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510575.4 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP20**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			1.20m PID=1.1ppm	Not Encountered	0.0		SP		FILL Gravelly SAND: fine to medium grained, brown, gravel is medium grained; with rootlets on the surface, demolition waste throughout (tile fragment, pipe fragment, bricks, concrete rubble).	M	VD				FILL	0.5
									0.5											
									1.0										1.20: Sample ~9kg sieved, no FA observed, PACM in poor condition	1.0
									1.5											1.5
									2.0											2.0
				ES			2.50m PID=1.4ppm		2.5										2.50: Sample ~10kg sieved, no FA observed, PACM in poor condition	2.5
												2.70								
													Hole Terminated at 2.70 m Refusal							
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507108.5 m	Start Date	23/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510563.6 m	End Date	23/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP21**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=1.1ppm	Not Encountered	0.0		SM	0.30	TOPSOIL SAND: brown, with silt; with rootlets. 0.10: Trace plastic, glass and metal	M	D				TOPSOIL	
																			AEOLIAN	
									0.5		SP		SAND: fine to medium grained, pale brown, trace rootlets.	M	D					0.5
				ES			1.00m PID=2.1ppm		1.0			1.30								1.0
													Hole Terminated at 1.30 m Due to test pit caving in							
									1.5											1.5
									2.0											2.0
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507090.9 m	Start Date	23/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510578.2 m	End Date	23/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP22**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0				Silty SAND: fine to medium grained, dark brown, with rootlets in top 0.3m, anthropogenic waste (plastic debris, glass fragments, soda cans) throughout, with wood mulch.	M	D				STOCKPILED COMPOST	
0.5											0.5
1.0											1.0
1.5		SM									1.5
2.0											2.0
2.5			2.80							AEOLIAN	2.5
3.0		SP		SAND: fine to medium grained, pale brown.	M	D					3.0
			3.20								
3.5				Hole Terminated at 3.20 m Target depth reached							3.5
4.0											

Method: E

Sampling: ES 0.10m PID=1.5ppm; ES 1.00m PID=2ppm; ES 2.00m PID=2.6ppm

Testing: SPT (Recovered length), DCP, PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507069.1 m	Start Date	23/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510604.9 m	End Date	23/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP23**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.30m PID=1.7ppm	Not Encountered	0.0		SM		Silty SAND: fine to medium grained, dark brown, anthropogenic waste (plastic debris, can fragments) throughout.	M	D				COMPOST MOUND	
													0.20: Fencing wire and metal post							
									0.5			0.60	0.60-0.90: Plastic debris	M	D				FILL	0.5
				ES			1.00m PID=1.8ppm		1.0		SM		FILL SAND: fine to medium grained, brown, with silt.							1.0
									1.5											1.5
									2.0			2.10	SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	2.0
									2.5		SP									2.5
												2.70	Hole Terminated at 2.70 m Due to test pit collapsing							
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507066.5 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510617.2 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP24**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=0.1ppm	Not Encountered	0.0				FILL STOCKPILED COMPOST: brown, trace plastic, glass fragment.	M	S				FILL	
				ES			1.50m PID=1.3ppm		0.5											0.5
									1.0											1.0
									1.5			1.50	FILL Gravelly SAND: fine to medium grained, brown, trace rounded gravel; with anthropogenic material throughout (plastic debris, ceramic tile fragment).	M	D					1.5
				ES			2.00m PID=0.4ppm		2.0		SP									2.0
												2.20	SAND: fine to medium grained, pale yellow, trace shell.	M	D				AEOLIAN	
				ES			2.50m PID=1.5ppm		2.5		SP									2.5
									3.0			3.00	Hole Terminated at 3.00 m Target depth reached							3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507072.4 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510629.9 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP25**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.50m PID=1.7ppm	Not Encountered	0.0		SM		FILL Silty SAND: fine to medium grained, dark brown, with plastic debris, glass fragment, rope debris, animal bones throughout.	M	D				FILL	
				ES			1.50m PID=2.3ppm		0.5											0.5
				ES			2.50m PID=2.3ppm		1.0											1.0
									1.5											1.5
									2.0			2.20								2.0
									2.5		SP		FILL SAND: brown, trace plastic debris and glass fragments.	M	D					2.5
												2.90								
									3.0				Hole Terminated at 2.90 m Due to test pit caving in							3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507090.0 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510621.4 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP26**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SP		FILL Gravelly SAND: dark brown.	M	D				FILL	
				0.20: Trace plastic debris, rope 0.20-0.80: Timber post							
			0.30	SAND: fine to medium grained, pale yellow-brown.	M	D				AEOLIAN	
0.5											0.5
1.0		SP									1.0
1.5											1.5
2.0			2.20	Hole Terminated at 2.20 m Due to test pit caving in							2.0
2.5											2.5
3.0											3.0
3.5											3.5
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES at 0.20m PID=2.4ppm; ES at 1.00m PID=2.7ppm; ES at 1.80m PID=2.4ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507087.7 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510610.3 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP27**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=1.3ppm	Not Encountered	0.0		GP		COMPACTED GRAVEL: pale grey, trace plastic and glass debris.	D	VD				HARDSTAND	
													FILL SAND: fine to medium grained, brown, with gravel.	M	D				FILL	
													0.20: With plastic debris and glass fragment							
				ES			0.70m PID=2.4ppm		0.5		SP		0.50: Glass fragment and ceramic fragment							0.5
												0.90								
									1.0				SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	1.0
									1.5		SP									1.5
									2.0			2.40								2.0
													Hole Terminated at 2.40 m Due to test pit caving in							
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507117.1 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510598.6 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP29**

Depth (m) Elevation	Graphic Log	USCS Code	Depth RL	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Sampling	PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow
0.0		GP		FILL Sandy GRAVEL: fine to medium grained, dark grey, trace angular cobble; with crushed glass throughout, plastic debris throughout.	M	VD	FILL	ES	0.20m PID=2.6ppm	Not Encountered
				0.20-0.30: With ceramic tiles			0.20: ASB WA sample ~13kg sieved, no FA observed, fragment >7mm, PACM in good condition			
0.5			0.50	0.50: Ceramic tile						
		SP		FILL SAND: fine to medium grained, brown, trace gravel.	M	D				
1.0			1.20	1.20: Trace plastic debris			AEOLIAN	ES	1.20m PID=2ppm	
				SAND: fine to medium grained, pale brown, trace shell.	M	D				
1.5		SP								
2.0			2.40					ES		
2.5				Hole Terminated at 2.40 m Due to test pit collapsing						
3.0										
3.5										
4.0										

Testing: SPT (Recovered length), DCP

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Weathering

Rock Strength

Alteration

Installation

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507131.2 m	Start Date	22/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510574.1 m	End Date	22/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP30**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			0.10m PID=0.8ppm	Not Encountered	0.0		GP	0.10	Sandy COMPACTED GRAVEL: with crushed glass on surface.	D	VD				ROADBASE	
													FILL Gravelly SAND: fine to medium grained, brown.	M	D				FILL	
									0.5		SP		0.70-1.20: Trace glass bottle, plastic debris							0.5
				ES			1.00m PID=1.4ppm		1.0			1.20								1.0
													SAND: fine to medium grained, brown.	M	D				AEOLIAN	
									1.5		SP									1.5
									2.0			2.20								2.0
													Hole Terminated at 2.20 m Due to test pit collapsing							
									2.5											2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507154.8 m	Start Date	23/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510534.2 m	End Date	23/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP31**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Sampling	PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Installation
0.0		GP	0.25	Sandy GRAVEL: fine to medium grained, grey, trace crushed glass.	M	VD	COMPACTED ROADBASE	ES	0.10m PID=2.1ppm	Not Encountered	0.5
				FILL SAND: brown, trace gravel.	M	D	FILL				
0.5				0.40: Redundant poly pipe							
				0.70: Trace coarse grained rounded gravel, trace ceramic tile							
1.0		SP		0.90: Unknown chemical salt, bluish grey-white in colour with a waxy texture. Only a small clump was encountered.				ES ES	0.90m PID=0.1ppm 1.00m PID=1.9ppm		1.0
				1.30: Trace fabric							
1.5			1.55				AEOLIAN				1.5
		SP	1.90	SAND: fine to medium grained, pale brown.	M	D					
2.0				Hole Terminated at 1.90 m Due to test pit collapsing							2.0
2.5											2.5
3.0											3.0
3.5											3.5
4.0											

Method: E

Testing: SPT (Recovered length), DCP

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507073.9 m	Start Date	25/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510597.3 m	End Date	25/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP32**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E									0.0		ML	0.50	Sandy SILT: dark brown, with wood mulch throughout.	M	D				STOCKPILED COMPOST	
									0.5		SP	1.50	FILL SAND: fine to medium grained, brown, trace gravel; trace bone. 1.10-1.50: Plastic debris	M	D				FILL	
				ES			1.20m PID=1.3ppm	Not Encountered	1.0											
				ES					1.5				Grey, treated organic matter layer. Historically treated human excrement, food waste, wood chips with lime to neutralise odours (anecdotal information).	M	D				FILL (BIOSOLID)	
									2.0			2.20								
									2.5		SM	3.00	FILL Silty SAND: fine to medium grained, dark brown, plastic debris throughout.	M	D				FILL	
									3.0				Hole Terminated at 3.00 m Target depth reached							
									3.5											
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507066.3 m	Start Date	25/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510612.1 m	End Date	25/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP33**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			1.50m PID=0.7ppm	Not Encountered	0.0		SM	0.50	Silty SAND: fine to medium grained, dark brown, with wood chips throughout, trace bone, trace plastic.	M	D				STOCKPILED COMPOST	
									0.5				FILL SAND: brown, with gravel; plastic debris throughout.	M	D				FILL	0.5
									1.0											1.0
									1.5		SP									1.5
									2.0											2.0
									2.5			2.50							AEOLIAN	2.5
											SP	2.70	SAND: fine to medium grained, pale brown.	M	D					
									3.0				Hole Terminated at 2.70 m Due to test pit collapsing							3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507068.4 m	Start Date	25/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510628.0 m	End Date	25/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth North	
Survey	

Pit Identifier: **TP34**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		ML		Sandy SILT: with wood mulch, animal bones, plastic debris throughout.	M	D				STOCKPILED COMPOST	
			1.80								
		SP		FILL SAND: fine to medium grained, brown, plastic debris throughout.	M	D				FILL	
			2.20								
		SP		SAND: fine to medium grained, pale brown.	M	D				AEOLIAN	
			3.00								
3.0				Hole Terminated at 3.00 m Target depth reached							
4.0											

Method: E

Casing

Progress Water (Loss/Return)

Run (TCR) RQD

Sampling: ES

Testing — SPT (Recovered length) — DCP — PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm): 2.00m PID=0.3ppm

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Geological & Engineering Log

Project	Lord Howe Island Critical Infrastructure Program	East	507077.8 m	Start Date	25/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510633.7 m	End Date	25/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP35**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		ML		Sandy SILT: dark brown, with rootlets.	M	D	STOCKPILED COMPOST	
0.5				0.60: Trace plastic				0.5
			0.70					
		GP		FILL Sandy GRAVEL: fine to medium grained, grey.	M	VD	FILL (BLUE METAL)	
			0.90					
1.0		SP		SAND: fine to medium grained, pale brown.	M	D	AEOLIAN	1.0
1.5								1.5
2.0								2.0
2.5								2.5
			3.00					
3.0				Hole Terminated at 3.00 m Target depth reached				3.0
3.5								3.5
4.0								

Method: E

Sampling: ES

Testing: PID 0.50m PID=2.6ppm

Water Level & Inflow: Not Encountered

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507081.6 m	Start Date	25/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510591.0 m	End Date	25/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

Pit Identifier: **TP36**

Method	Casing	Progress Water (Loss/Return)	Run (TCR) RQD	Sampling	Testing: SPT (Recovered length)	Testing: DCP	Testing: PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)	Water Level & Inflow	Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
E				ES			1.00m PID=0.7ppm	Not Encountered	0.0		SM		FILL Silty SAND: fine to medium grained, dark brown, with plastic debris throughout.	M	D				FILL	
													0.40: Trace concrete cobble							
									0.5				0.60: Tree branch							0.5
													0.90: Plastic bottle							
									1.0											1.0
									1.5			1.60								1.5
											SP		SAND: fine to medium grained, pale brown, trace shell.	M	D				AEOLIAN	
									2.0											2.0
									2.5			2.50	Hole Terminated at 2.50 m							2.5
									3.0											3.0
									3.5											3.5
									4.0											

Observations and Comments

Notes: Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Project	Lord Howe Island Critical Infrastructure Program	East	507068.3 m	Start Date	25/10/2024	Contractor	Lord Howe Island Board
Client	Lord Howe Island Board	North	6510624.9 m	End Date	25/10/2024	Equipment	4.5T Excavator
Site	Waste Management Facility	Elevation		Dimensions	2.00 m x 0.20 m	Mounting	Track
Job No	30013573A	Datum	MGA2020-56/AHD				

Inclination	-90°
Azimuth	
North	
Survey	

smec

Pit Identifier: **TP37**

Depth (m) *Elevation*	Graphic Log	USCS Code	Depth *RL*	Soil / Rock Material Description	Moisture Condition	Consistency Density	Alteration	Weathering	Rock Strength	Origin, Geology Unit, Other Testing & General Observations	Installation
0.0		SM	1.20	FILL Silty SAND: brown, with gravel; with rootlets up to 0.2m, plastic debris, glass fragments throughout up to 0.5m, trace ceramic fragment.	M	D				FILL (STOCKPILE)	
1.20		SC	1.60	FILL Silty Clayey SAND: dark brown, with plastic debris throughout.	M	VD				FILL (POSSIBLE COMPOST LAYER)	
1.60		SM	3.10	FILL SAND: fine to medium grained, brown, with silt; trace ceramic tiles, with some plastic debris. 2.40-2.60: Concrete rubble 2.80-2.90: Blue metal layer	M	D				FILL	
3.10				Hole Terminated at 3.10 m Target depth reached							
4.0											

Method: E

Sampling: ES 0.50m PID=2.8ppm; ES 2.50m PID=3.1ppm

Testing: SPT (Recovered length); DCP; PP (kPa) VS (kPa) (P/R uncorrected) PID (ppm)

Water Level & Inflow: Not Encountered

Casing; Progress Water (Loss/Return); Run (TCR) RQD

Observations and Comments

Notes

Classifications compliant with AS1726-2017: Geotechnical Site Investigations unless otherwise noted. Lugeon: BS5930:1999 Defect Log Abridged. Additional detail in digital dataset. For Vertical Holes: Angles reported in defects are relative to core normal. For Inclined Holes: Angles reported in defects are measured relative to core axis. Where beta angles are indicated, orientation of the core has been performed. Refer to explanatory notes for SMEC logs for details of abbreviations or basis of description.

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Appendix E

Laboratory Summary Tables

	Inorganics									Biological			Asbestos							Metals							
	Nitrate (as N)	Nitrite (as N)	Nitrite + Nitrate as N	Organic Nitrogen as N	Ammonia as N	Kjeldahl Nitrogen Total	Nitrogen (Total)	Reactive Phosphorus as P (Orthophosphate as P)	Total Phosphorous	E. Coli	Total Coliforms	Thermotolerant Coliforms	Asbestos Sample Dimesions	Asbestos Reported Result	Approximate Sample Mass	Mass Friable Asbestos (FA)	Mass Asbestos Fines (AF)	Asbestos Mass in FA & AF	Laboratory Detection Limit for Asbestos	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MPN/g	MPN/g	MPN/g	mm	Comment	g	g	g	g	% w/w	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	5	5	5	10	5	10	10	0.1	5	1	1	1							0.001	2	0.4	5	5	5	0.1	5	5
CRC Care HSL-D Commercial / Industrial																											
CRC Care Intrusive Maintenance Worker																											
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				3,000	900		240,000	1,500	730	6,000	400,000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																											
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				170				1800			
Use and Disposa of Biosolids Products (1997), Table 3-5										100	1,000																
Site Specific EIL																						190	180			230	600
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																											
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																											
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																											
PFAS NEMP 2025 Ecological indirect exposure - all land uses																											
PFAS NEMP 2025 Industrial/Commerical (HIL D)																											
Lab Report Number	Field ID	Date																									
1153612	TP01/0.1	24 Oct 2024	<5	<5	<5	1,500	<5	1,500	1,500	0.1	430	<10	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP01/0.5	24 Oct 2024	<5	<5	<5	2,900	<5	2,900	2,900	0.4	1,100	<10	110	-	-	-	-	-	-	-	4.6	<0.4	13	<5	<5	<0.1	34	9.3
1153612	TP02/0.1	24 Oct 2024	<5	<5	<5	6,300	<5	6,300	6,300	1.2	1,400	1100	>24000	-	-	-	-	-	-	-	4.6	<0.4	18	<5	<5	<0.1	48	29
1153612	TP02/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	10	570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP03/0.1	24 Oct 2024	<5	<5	<5	1,600	<5	1,600	1,600	0.2	690	10	420	-	-	-	-	-	-	-	4.5	<0.4	13	<5	<5	<0.1	35	13
1153612	TP03/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	10	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.1	24 Oct 2024	<5	<5	<5	61	<5	61	61	1.2	350	<10	7700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.5	24 Oct 2024	<5	<5	<5	410	<5	410	410	0.8	300	10	130	-	-	-	-	-	-	-	<2	<0.4	8.9	8.5	5.3	<0.1	15	73
1153612	TP05/0.1	24 Oct 2024	5.4	<5	5.6	5,600	<5	5,600	5,600	0.7	600	370	4600	-	-	-	-	-	-	-	3.0	<0.4	10	<5	<5	<0.1	20	16
1153612	TP05/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	380	9800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Chrysotile asbestos detected	531	-	-	-	0.001	15	1.3	28	68	59	<0.1	30	330
1153612	TP06/1.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	541	-	-	-	0.001	20	4.4	66	190	310	<0.1	81	1,300
1153612	TP06/1.5_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	110X120X2	Chrysotile asbestos detected	146	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP06/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	495	-	-	-	0.001	-	-	-	-	-	-	-	-
1153612	TP06/2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	90x50x2	Not Detected	19	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP07/0.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	387	-	-	-	0.001	18	0.8	47	60	47	<0.1	62	300
1153612	TP07/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	464	-	-	-	0.001	-	-	-	-	-	-	-	-
1153612	TP07/1.8	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	261	-	-	-	0.001	15	0.9	48	53	41	<0.1	68	320
1153612	TP07/1.8_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	70x30x2	Not Detected	9	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP08/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	376	-	-	-	0.001	7.4	<0.4	30	21	5.7	<0.1	59	72
1153612	TP08/0.6	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Chrysotile asbestos detected	475	-	0.23	0.23	0.001	-	-	-	-	-	-	-	-
1153612	TP08/0.6_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	70x30x2	Chrysotile asbestos detected	14	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP09/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	298	-	-	-	0.001	29	<0.4	37	41	10	<0.1	60	140
1153612	TP09/1.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	398	-	-	-	0.001	4.5	<0.4	15	7.8	13	<0.1	43	96
1153612	TP09/1.5_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	60x20x2	Chrysotile asbestos detected	8	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP09/2.7	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	377	-	-	-	0.001	14	0.6	30	30	23	<0.1	28	250
1153612	TP09/2.7_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	50x40x1	Not Detected	10	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP10/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	391	-	-	-	0.001	84	5.7	120	5,100	360	<0.1	66	950
1157818	TP10/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	432	-	-	-	0.001	-	-	-	-	-	-	-	-
1157818	TP10/3.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	20x20x3	Chrysotile asbestos detected	417	-	-	-	0.001	-	-	-	-	-	-	-	-
1153612	TP11/0.2	24 Oct 2024	<5	<5	<5	190	<5	190	190	<0.1	700	<10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	51	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/1.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Chrysotile asbestos detected	442	-	-	-	0.001	10	14	46	150	470	<0.1	47	600
1153612	TP11/1.2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	170x110x40	Chrysotile and amosite asbestos detected	363	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP12/0.5	24 Oct 2024	<5	<5	<5	370	<5	370	370	0.3	310	<10	490	-	-	-	-	-	-	-	2.4	<0.4	6.2	<5	<5	<0.1	16	<5
1153612	TP12/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	10	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/0.1	24 Oct 2024	<5	<5	<5	1,300	<5	1,300	1,300	0.7	2,300	160	2100	-	-	-	-	-	-	-	8.3	0.6	24	8.8	<5	<0.1	50	36
1153612	TP13/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	1400	5800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/1.0	24 Oct 2024	<5	<5	<5	870	<5	870	870	1.2	1,700	20	910	-	-	-	-	-	-	-	5.0	<0.4	20	<5	<5	<0.1	58	18
1153612	TP14/0.1	24 Oct 2024	<5	<5	<5	1,500	<5	1,500	1,500	0.3	1,400	<10	5500	-	-	-	-	-	-	-	6.7	<0.4	35	17	<5	<0.1	50	85
1153612	TP14/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	<10	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP14/1.0	24 Oct 2024	<5	<5	<5	830	<5	830	830	0.5	1,400	-	-	-	-	-	-	-	-	-	6.5	<0.4	22	<5	<5	<0.1	57	22

			Inorganics									Biological			Asbestos							Metals							
			Nitrate (as N)	Nitrite (as N)	Nitrite + Nitrate as N	Organic Nitrogen as N	Ammonia as N	Kjeldahl Nitrogen Total	Nitrogen (Total)	Reactive Phosphorus as P (Orthophosphate as P)	Total Phosphorous	E. Coli	Total Coliforms	Thermotolerant Coliforms	Asbestos Sample Dimesions	Asbestos Reported Result	Approximate Sample Mass	Mass Friable Asbestos (FA)	Mass Asbestos Fines (AF)	Asbestos Mass in FA & AF	Laboratory Detection Limit for Asbestos	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MPN/g	MPN/g	MPN/g	mm	Comment	g	g	g	g	% w/w	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			5	5	5	10	5	10	10	0.1	5	1	1	1							0.001	2	0.4	5	5	5	0.1	5	5
CRC Care HSL-D Commercial / Industrial																													
CRC Care Intrusive Maintenance Worker																													
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																						3,000	900		240,000	1,500	730	6,000	400,000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																													
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																						170				1800			
Use and Disposa of Biosolids Products (1997), Table 3-5												100	1,000																
Site Specific EIL																								190	180			230	600
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																													
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																													
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																													
PFAS NEMP 2025 Ecological indirect exposure - all land uses																													
PFAS NEMP 2025 Industrial/Commerical (HIL D)																													
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	10	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<5	<5	<5	1,300	<5	1,300	1,300	0.6	1,500	<10	14000	-	-	-	-	-	-	-	-	4.4	0.5	50	23	5.7	<0.1	78	77
1153612	TP15/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	<0.4	27	23	38	<0.1	62	170
1153612	TP16/0.1	23 Oct 2024	<5	<5	<5	2,500	<5	2,500	2,500	0.4	1,200	<10	3900	-	-	-	-	-	-	-	-	3.5	<0.4	45	44	13	<0.1	62	120
1153612	TP16/0.5	23 Oct 2024	<5	<5	<5	2,100	<5	2,100	2,100	0.1	1,300	<10	3700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<5	<5	<5	890	<5	890	890	0.5	1,400	-	-	-	-	-	-	-	-	-	-	6.0	<0.4	23	<5	<5	<0.1	74	16
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	63	7300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<5	<5	<5	480	<5	480	480	1.1	860	10	1100	-	-	Not Detected	449	-	-	-	0.001	9.1	<0.4	20	6.1	<5	<0.1	49	26
1153612	TP18/0.1	22 Oct 2024	<5	<5	<5	830	<5	830	830	0.1	1,200	-	-	-	-	-	-	-	-	-	-	6.3	0.8	34	29	18	<0.1	59	380
1153612	TP18/0.6	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	527	-	-	-	0.001	5.8	<0.4	23	<5	<5	<0.1	72	22
1153612	TP19/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	434	-	-	-	0.001	5.1	<0.4	29	29	12	<0.1	51	120
1153612	TP19/1.0	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	<0.4	14	<5	<5	<0.1	45	11
1153612	TP20/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	660	-	-	-	0.001	5.7	<0.4	15	15	23	<0.1	27	150
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	30x20x1	Not Detected	2	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	575				0.001	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	140x120x2	Not Detected	29				0.01	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	<0.4	11	9.1	<5	<0.1	20	29
1153612	TP22/0.1	23 Oct 2024	52	<5	52	13,000	<5	13,000	13,000	6.2	4,900	30	>24000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	57	<5	58	16,000	<50	16,000	16,000	3.6	3,900	10	3400	-	-	-	-	-	-	-	-	4.0	1.0	18	70	13	0.1	20	170
1153612	TP22/2.0	23 Oct 2024	150	<5	150	11,850	150	12,000	12,000	1.5	3,500	<10	>24000	-	-	-	-	-	-	-	-	3.9	0.7	21	52	9.5	<0.1	30	110
1153612	TP23/0.3	23 Oct 2024	23	<5	23	4,600	<5	4,600	4,600	0.9	2,100	130	180	-	-	-	-	-	-	-	-	10	0.7	28	39	23	<0.1	36	210
1153612	TP23/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	<0.4	19	14	<5	<0.1	25	42
1153612	TP24/0.1	22 Oct 2024	<10	<10	<10	5,900	<20	5,900	5,900	190	3,000	20	>24000	-	-	-	-	-	-	-	-	<2	<0.4	<5	56	<5	<0.1	<5	110
1153612	TP24/1.5	22 Oct 2024	340	<5	340	130	<5	130	470	1.5	1,500	<10	52	-	-	Not Detected	442	-	-	-	0.001	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	<0.4	14	15	<5	<0.1	36	38
1153612	TP25/0.5	22 Oct 2024	770	<5	770	17,000	<5	17,000	18,000	<10	2,800	<10	63	-	-	-	-	-	-	-	-	3.1	0.6	13	43	6.4	<0.1	16	94
1153612	TP25/1.5	22 Oct 2024	<5	<5	<5	21,000	<50	21,000	21,000	9.5	5,500	130	>24000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0.5	7.5	14	<5	<0.1	16	38
1153612	TP26/0.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	546	-	-	-	0.001	3.1	<0.4	7.1	8.2	<5	<0.1	11	21
1153612	TP27/0.1	22 Oct 2024	<5	<5	<5	830	<5	830	830	0.7	770	-	-	-	-	-	-	-	-	-	-	4.5	<0.4	14	12	5.1	<0.1	23	42
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	50	-	-	-	0.001	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<5	<5	<5	2,200	<5	2,200	2,200	0.1	760	-	-	-	15x10x4	Chrysotile asbestos detected	410	-	-	-	0.001	5.4	<0.4	15	18	15	<0.1	14	150
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	50	-	-	-	0.01	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Detected	449	-	-	-	0.001	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<5	<5	<5	340	<5	340	340	0.6	750	-	-	-	-	-	-	-	-	-	-	3.2	<0.4	14	5.7	<5	<0.1	22	41
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/0.9	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	5.4	66	6,200	340	0.4	160	1,900
1153612	TP31/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	<0.4	18	290	340	0.1	38	320
1154982	TP32/1.2	25 Oct 2024	46	<5	48	6,800	200	7,000	7,000	<10	2,700	63	-	2600	-	-	-	-	-	-	-	6.3	0.7	29	30	9.7	<0.1	38	110
1154982	TP33/1.5	25 Oct 2024	87	<5	87	2,300	<5	2,300	2,400	<10	950	31	-	620	-	-	-	-	-	-	-	<2	<0.4	6.1	9.7	<5	<0.1	16	27
1154982	TP34/2.0	25 Oct 2024	270	<5	270	13,000	<5	13,000	13,000	16	2,600	74	-	4400	-	-	-	-	-	-	-	4.8	0.7	15	82	8.8	0.1	20	190
1154982	TP35/0.5	25 Oct 2024	270	<5	270	26,000	<5	26,000	26,000	<10	3,700	52	-	200	-	-	-	-	-	-	-	3.1	1.4	15	81	7.4	0.1	13	190
1154982	TP36/1.0	25 Oct 2024	59	<5	60	15,987	13	16,000	16,000	<10	3,300	<10	-	2700	-	-	-	-	-	-	-	8.1	1.0	29	42	21	0.1	31	170
1154982	TP37/0.5	25 Oct 2024	73	<5	73	3,300	<5	3,300	3,400	<10	1,600	240	-	8700	-	-	-	-	-	-	-	7.0	0.9	25	37	21	<0.1	26	150
1154982	TP37/2.5	25 Oct 2024	100	<5	100	1,500	<5	1,500	1,600	<10	1,000	61	-	4900	-	-	-	-	-	-	-	8.8	0.9	23	18	24	<0.1	28	100
1240933	BH01_0.1	02 Jul 2025	<5	<5	<5	3,000	<5	3,000	3,000	1.1	6,300	<10	<10	-	-	-	-	-	-	-	-	170	4.5	190	1,300	1,100	<0.1	160	2,200
1240933	BH01_0.5	02 Jul 2025	<5	<5	<5	980	<5	980	980	0.7	2,500	<10	86	-	-	-	-	-	-	-	-	22	1.6	47	160	190	<0.1	56	2,700
1240933	BH01_1.0	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	8.9	24	130	290	0.1	19	550
1240933	BH01_2.0	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	3.8	43	550	100	0.2	24	630
1240933	BH01_3.0	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	<0.4	12	<5	<5	<0.1	13	6.2
1240933	BH01_4.0	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	<0.4	17	<5	<5	<0.1	39	12
1240933	BH02_0.1	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	<0.4	15	7.9	6.1	<0.1	24	46
1240933	BH02_0.5	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	<0.4	20	<5	<5	<0.1	69	11
1240933	BH03_0.1	02 Jul 2025	<5	<5	<5	220	<5	220	220	0.6	610	260	420	-	-	-	-	-	-	-	-	5.4	<0.4	14	9.0	6.3	<0.1	20	71
1240933	BH03_0.5	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	<0.4	14	<5	<5	<0.1	14	15
1240933	BH04_0.2	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	<0.4	9.2	<5	<5	<0.1	22	6.2
1240933	BH04_1.2	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	<0.4	11	<5	<5	<0.1	25	6.1
1240933	BH05_0.3	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	<0.4	9.0	<5	<5	<0.1	18	<5
1240933	BH06_0.1	01 Jul 2025	<5	<5	<5	2,200	<5	2,200	2,200	0.4	690	<10	41	-	-	-	-	-	-	-	-	<2	<0.4	<5	12	<5	<0.1	5.8	32
1240933	BH06_0.5	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	<0.4	14	<5	<5	<0.1	27	5.8
1240933	BH07_0.1	30 Jun 2025	<5	<5	<5	930	<5	930	930	0.5	810	41	350	-	-	-	-	-	-	-	-	7.4	<0.4	21	18	7.7	<0.1	26	81
1240933	BH07_0.5	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	<0.4	17	<5	<5	<0.1	36	10
1240933	BH07_1.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	<0.4	15	<5	<5	<0.1	44	8.0
1240933	BH08_0.1	30 Jun 2025	<5	<5	<5	240	<5	240	240	0.4	480	<10	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.4	30 Jun 2025	24	<5	24	320	<5	320	340	0.3	610	<10	13000	-	-	-	-	-	-	-	-	4.3	<0.4	15	<5	7.1	<0.1	24	44
1240933	BH08_0.9	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	<0.4	85	<5	<5	<0.1	580	52
1240933	BH08_2.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	<0.4	94	<5	<5	<0.1	690	60
1240933	BH09_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	150	500	-	-	-	-	-	-	-	-	4.9	<0.4	12	25	13	<0.1	14	120
1240933	BH09_0.5	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	<0.4	19	16	7.0	<0.1	43	47
1240933	BH09_1.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	<0.4	25	9.5	<5	<0.1	60	19
1240933	BH09_2.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	<0.4	9.8	<5	<5	<0.1	9.9	<5
1240933	BH10_0.1	30 Jun 2025	14	<5	14	850	<5	850	860	1.1	860	-	-	-	-	-	-	-	-	-	-	5.8	<0.4	12	15	18	<0.1	15	140
1240933	BH10_0.2	30 Jun 2025	17	<5	17	840	<5	840	860	0.4	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.4	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	<0.4	19	47	19	<0.1	22	84
1240933	BH10_0.7	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	<0.4	49	<5	<5	<0.1	300	29
1240933	BH11_0.2	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	<0.4	7.3	<5	<5	<0.1	12	<5
1240933	BH12_0.1	02 Jul 2025	<5	<5	<5	460	<5	460	460	0.7	1,200	430	460	-	-	-	-	-	-	-	-	10	0.5	38	51	30	<0.1	41	180
1240933	BH12_0.5	02 Jul 2025	<5	<5	<5	2,685	15	2,700	2,700	0.3	1,100	550	550	-	-	-	-	-	-	-	-	4.0	<0.4	11	20	21	<0.1	11	53
1240933	BH12_1.0	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	<0.4	17	<5	<5	<0.1	41	15

Environmental Standards

CRC Care, 2011, CRC Care HSL-D Commercial / Industrial
CRC Care, 2011, CRC Care Intrusive Maintenance Worker
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil
PFAS NEMP 2025 Ecological indirect exposure - all land uses
PFAS NEMP 2025 Industrial/Commerical (HIL D)

			TRH							TPH					BTEXN								PA
			C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 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)	Benzene	Toluene	Ethylbenzene	Naphthalene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene (VOC)	1-Chloronaphthalene
			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
EQL			20	20	50	50	100	100	100	20	20	50	50	50	0.1	0.1	0.1	0.5	0.2	0.1	0.3	0.5	0.5
CRC Care HSL-D Commercial / Industrial			26,000		20,000		27,000	38,000							430	99,000	27,000	11,000			81,000	11,000	
CRC Care Intrusive Maintenance Worker			82,000		62,000		85,000	120,000							1,100	120,000	85,000	29,000			130,000	29,000	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand				260		NL									3	NL	NL	NL			230	NL	
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																		370				370	
Use and Disposa of Biosolids Products (1997), Table 3-5																							
Site Specific EIL																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil				215	170	170	1,700	3,300							75	135	165				180		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil			700		1,000		3,500	10,000															
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																							
PFAS NEMP 2025 Ecological indirect exposure - all land uses																							
PFAS NEMP 2025 Industrial/Commerical (HIL D)																							

Lab Report Number	Field ID	Date																						
1153612	TP01/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP01/0.5	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP02/0.1	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP02/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP03/0.1	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-	-
1153612	TP03/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.5	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP05/0.1	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP05/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/0.5	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP06/1.5	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP06/1.5_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/0.2	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	63	63	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP07/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/1.8	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP07/1.8_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.1	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	85	85	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP08/0.6	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.6_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/0.1	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP09/1.5	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP09/1.5_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/2.7	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP09/2.7_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP10/1.0	24 Oct 2024	<20	<20	<50	<50	160	110	270	<20	<20	130	74	204	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1157818	TP10/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157818	TP10/3.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/1.2	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP11/1.2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP12/0.5	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-	-
1153612	TP12/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/0.1	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-	-
1153612	TP13/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/1.0	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-	-
1153612	TP14/0.1	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5
1153612	TP14/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP14/1.0	24 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5	<0.5

			PA																				
			2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene										
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg										
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5										
CRC Care HSL-D Commercial / Industrial																							
CRC Care Intrusive Maintenance Worker																							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																							
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																							
Use and Disposa of Biosolids Products (1997), Table 3-5																							
Site Specific EIL																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil											1.4												
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																							
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																							
PFAS NEMP 2025 Ecological indirect exposure - all land uses																							
PFAS NEMP 2025 Industrial/Commerical (HIL D)																							

1153612	TP01/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP01/0.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP02/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP02/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP03/0.1	24 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP03/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP04/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP04/0.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP05/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP05/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP06/0.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP06/1.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP06/1.5_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP06/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP06/2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP07/0.2	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP07/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP07/1.8	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP07/1.8_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP08/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP08/0.6	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP08/0.6_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP09/0.1	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP09/1.5	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP09/1.5_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP09/2.7	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP09/2.7_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP10/1.0	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1157818	TP10/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1157818	TP10/3.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP11/0.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP11/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP11/1.2	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP11/1.2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP12/0.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP12/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP13/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP13/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP13/1.0	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP14/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP14/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP14/1.0	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										

			TRH							TPH					BTEXN								PA
			C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 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)	Benzene	Toluene	Ethylbenzene	Naphthalene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene (VOC)	1-Chloronaphthalene
			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
EQL			20	20	50	50	100	100	100	20	20	50	50	50	0.1	0.1	0.1	0.5	0.2	0.1	0.3	0.5	0.5
CRC Care HSL-D Commercial / Industrial			26,000		20,000		27,000	38,000							430	99,000	27,000	11,000			81,000	11,000	
CRC Care Intrusive Maintenance Worker			82,000		62,000		85,000	120,000							1,100	120,000	85,000	29,000			130,000	29,000	
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand				260		NL									3	NL	NL	NL			230	NL	
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																		370				370	
Use and Disposa of Biosolids Products (1997), Table 3-5																							
Site Specific EIL																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil				215	170	170	1,700	3,300							75	135	165				180		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil			700		1,000		3,500	10,000															
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																							
PFAS NEMP 2025 Ecological indirect exposure - all land uses																							
PFAS NEMP 2025 Industrial/Commerical (HIL D)																							
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<20	<20	<50	<50	110	<100	110	<20	<20	63	74	137	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP15/1.0	23 Oct 2024	<20	<20	<50	<50	390	140	530	<20	<20	200	250	450	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP16/0.1	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP18/0.1	22 Oct 2024	<20	<20	<50	<50	840	140	980	<20	<20	670	210	880	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP18/0.6	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP19/0.1	22 Oct 2024	<20	<20	<50	<50	<100	200	200	<20	<20	<50	94	94	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP19/1.0	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP20/1.2	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	<20	<20	<50	<50	470	160	630	<20	<20	250	280	530	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP22/2.0	23 Oct 2024	<20	<20	<50	<50	220	<100	220	<20	<20	110	160	270	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP23/0.3	23 Oct 2024	<20	<20	<50	<50	110	<100	110	<20	<20	<50	100	100	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP23/1.0	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP24/0.1	22 Oct 2024	<20	<20	<250	<250	1,300	<500	1,300	<20	<100	<250	1,100	1,100	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP25/0.5	22 Oct 2024	<20	<20	<50	<50	200	<100	200	<20	<20	110	120	230	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	58	58	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1153612	TP26/0.2	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP27/0.1	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	94	94	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<20	<20	<50	<50	170	150	320	<20	<20	89	120	209	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/0.9	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1153612	TP31/1.0	23 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1154982	TP32/1.2	25 Oct 2024	<20	<20	<50	<50	510	180	690	<20	<20	240	350	590	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1154982	TP33/1.5	25 Oct 2024	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	69	69	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1154982	TP34/2.0	25 Oct 2024	<20	<20	<50	<50	490	180	670	<20	<20	210	360	570	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1154982	TP35/0.5	25 Oct 2024	<20	<20	<50	<50	490	270	760	<20	<20	210	370	580	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1154982	TP36/1.0	25 Oct 2024	<20	<20	<50	<50	360	160	520	<20	<20	170	260	430	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1154982	TP37/0.5	25 Oct 2024	<20	<20	<50	<50	340	<100	340	<20	<20	300	91	391	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1154982	TP37/2.5	25 Oct 2024	<20	<20	<50	<50	120	<100	120	<20	<20	78	56	134	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH01_0.1	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH01_0.5	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH01_1.0	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH01_2.0	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH01_3.0	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH01_4.0	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH02_0.1	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	60	60	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH02_0.5	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH03_0.1	02 Jul 2025	<20	<20	<50	<50	200	340	540	<20	<20	<50	260	260	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH03_0.5	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH04_0.2	01 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH04_1.2	01 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH05_0.3	01 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH06_0.1	01 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH06_0.5	01 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH07_0.1	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH07_0.5	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH07_1.0	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH08_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.4	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH08_0.9	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH08_2.0	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH09_0.1	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH09_0.5	30 Jun 2025	<20	<20	120	120	360	280	760	<20	60	240	250	550	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH09_1.0	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH09_2.0	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH10_0.1	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH10_0.2	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.4	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH10_0.7	30 Jun 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH11_0.2	01 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH12_0.1	02 Jul 2025	<20	<20	<50	<50	240	210	450	<20	21	140	180	341	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	<0.5
1240933	BH12_0.5	02 Jul 2025	<20	<20	<50	<50	250	140	390	<20	<20	100	210	310	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-
1240933	BH12_1.0	02 Jul 2025	<20	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5	-

			PA																				
			2-Chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene										
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg										
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5										
CRC Care HSL-D Commercial / Industrial																							
CRC Care Intrusive Maintenance Worker																							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																							
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																							
Use and Disposa of Biosolids Products (1997), Table 3-5																							
Site Specific EIL																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil											1.4												
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																							
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																							
PFAS NEMP 2025 Ecological indirect exposure - all land uses																							
PFAS NEMP 2025 Industrial/Commerical (HIL D)																							
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP15/0.5	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP15/1.0	23 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP16/0.1	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP16/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP17/0.5	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP18/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP18/0.6	22 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP19/0.1	22 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP19/1.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP20/1.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP21/0.1	23 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP22/1.0	23 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP22/2.0	23 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP23/0.3	23 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP23/1.0	23 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP24/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP24/2.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP25/0.5	22 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP25/2.5	22 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP26/0.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP27/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP29/0.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP30/1.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-										
1153612	TP31/0.9	23 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1153612	TP31/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1154982	TP32/1.2	25 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1154982	TP33/1.5	25 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1154982	TP34/2.0	25 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1154982	TP35/0.5	25 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1154982	TP36/1.0	25 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1154982	TP37/0.5	25 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1154982	TP37/2.5	25 Oct 2024	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1240933	BH01_0.1	02 Jul 2025	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1240933	BH01_0.5	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1240933	BH01_1.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1240933	BH01_2.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5										
1240933	BH01_3.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			

| | | | LH | | | | | | | | | | | Organophosphorous Pesticides | | | | | | | | | | |

			LH											Organophosphorous Pesticides																											
			Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	EPN	Malathion	Merphos	Methyl parathion
			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	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
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
CRC Care HSL-D Commercial / Industrial																																									
CRC Care Intrusive Maintenance Worker																																									
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil											40	40	40	4,000					2,000																						
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																									
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																									
Use and Disposa of Biosolids Products (1997), Table 3-5																																									
Site Specific EIL																																									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																									
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																									
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																									
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																									
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																									
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP15/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP16/0.1	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP18/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP18/0.6	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP19/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	<0.5
1153612	TP19/1.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP20/1.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	<0.5
1153612	TP22/2.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	<0.5
1153612	TP23/0.3	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	<0.5
1153612	TP23/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP24/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP25/0.5	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP26/0.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP27/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/0.9	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1153612	TP31/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1154982	TP32/1.2	25 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1154982	TP33/1.5	25 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1154982	TP34/2.0	25 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1154982	TP35/0.5	25 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1154982	TP36/1.0	25 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1154982	TP37/0.5	25 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1154982	TP37/2.5	25 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH01_0.1	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH01_0.5	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH01_1.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH01_2.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH01_3.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH01_4.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH02_0.1	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	<0.5
1240933	BH02_0.5	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH03_0.1	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	<0.5
1240933	BH03_0.5	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH04_0.2	01 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH04_1.2	01 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH05_0.3	01 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH06_0.1	01 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH06_0.5	01 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH07_0.1	30 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	<0.5
1240933	BH07_0.5	30 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH07_1.0	30 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1240933	BH08_0.1	30 Jun 2025	-	-	-	-

												Pesticides		Amino Aliphatics		Amino Aromatics			Anilines		Nitroaromatics			Other	SVOCs								Perfluo		
			Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Parathion	Pirimiphos-methyl	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-naphthylamine	2-naphthylamine	Diphenylamine	2-nitroaniline	Aniline	2-Picoline	4-aminobiphenyl	Pentachloronitrobenzene	Acetophenone	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	N-nitrosopiperidine	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)
			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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg
EQL			0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	5	10
CRC Care HSL-D Commercial / Industrial																																		
CRC Care Intrusive Maintenance Worker																																		
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																		
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																		
Use and Disposa of Biosolids Products (1997), Table 3-5																																		
Site Specific EIL																																		
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																		
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																		
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																		
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																		
Lab Report Number	**Field ID**	**Date**																																
1153612	**TP01/0.1**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP01/0.5**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP02/0.1**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP02/1.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP03/0.1**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10
1153612	**TP03/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP04/0.1**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP04/0.5**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP05/0.1**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP05/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP06/0.5**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP06/1.5**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP06/1.5_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP06/2.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP06/2_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP07/0.2**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP07/1.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP07/1.8**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP07/1.8_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP08/0.1**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP08/0.6**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP08/0.6_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP09/0.1**	**23 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP09/1.5**	**23 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP09/1.5_ACM**	**23 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP09/2.7**	**23 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP09/2.7_ACM**	**23 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP10/1.0**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1157818	**TP10/2.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157818	**TP10/3.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP11/0.2**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP11/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP11/1.2**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP11/1.2_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP12/0.5**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10
1153612	**TP12/1.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP13/0.1**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10
1153612	**TP13/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP13/1.0**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**15**	<5	<10
1153612	**TP14/0.1**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10
1153612	**TP14/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP14/1.0**	**24 Oct 2024**	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<10

													Pesticides		Amino Aliphatics		Amino Aromatics			Anilines		Nitroaromatics			Other	SVOCs								Perfluo		
			Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Parathion	Pirimiphos-methyl	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-naphthylamine	2-naphthylamine	Diphenylamine	2-nitroaniline	Aniline	2-Picoline	4-aminobiphenyl	Pentachloronitrobenzene	Acetophenone	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	N-nitrosopiperidine	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)
			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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg
EQL			0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	5	10
CRC Care HSL-D Commercial / Industrial																																							
CRC Care Intrusive Maintenance Worker																																							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																							
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																							
Use and Disposa of Biosolids Products (1997), Table 3-5																																							
Site Specific EIL																																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																							
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																							
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																							
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																							
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																							
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP15/1.0	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP16/0.1	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP16/1.0	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP17/0.5	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP18/0.1	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP18/0.6	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP19/0.1	22 Oct 2024	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP19/1.0	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP20/1.2	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP21/0.1	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP22/1.0	23 Oct 2024	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP22/2.0	23 Oct 2024	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP23/0.3	23 Oct 2024	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP23/1.0	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP24/0.1	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP24/2.0	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP25/0.5	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP25/2.5	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP26/0.2	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP27/0.1	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP29/0.2	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP30/1.0	22 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1153612	TP31/0.9	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1153612	TP31/1.0	23 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1154982	TP32/1.2	25 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1154982	TP33/1.5	25 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1154982	TP34/2.0	25 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1154982	TP35/0.5	25 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1154982	TP36/1.0	25 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1154982	TP37/0.5	25 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1154982	TP37/2.5	25 Oct 2024	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1240933	BH01_0.1	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH01_0.5	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH01_1.0	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH01_2.0	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH01_3.0	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH01_4.0	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH02_0.1	02 Jul 2025	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH02_0.5	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH03_0.1	02 Jul 2025	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH03_0.5	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH04_0.2	01 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH04_1.2	01 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH05_0.3	01 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH06_0.1	01 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH06_0.5	01 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH07_0.1	30 Jun 2025	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH07_0.5	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH07_1.0	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH08_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1240933	BH08_0.4	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH08_0.9	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH08_2.0	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH09_0.1	30 Jun 2025	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH09_0.5	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH09_1.0	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH09_2.0	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH10_0.1	30 Jun 2025	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<10			
1240933	BH10_0.2	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1240933	BH10_0.4	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<5	<5	<10			
1240933	BH10_0.7	30 Jun 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH11_0.2	01 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH12_0.1	02 Jul 2025	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<10			
1240933	BH12_0.5	02 Jul 2025	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			
1240933	BH12_1.0	02 Jul 2025	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<10			

Environmental Standards

CRC Care, 2011, CRC Care HSL-D Commercial / Industrial
CRC Care, 2011, CRC Care Intrusive Maintenance Worker
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil
PFAS NEMP 2025 Ecological indirect exposure - all land uses
PFAS NEMP 2025 Industrial/Commerical (HIL D)

			oalkyl Sulfonamides				MAH					PFAS						Perfluoroalkane Carboxylic Acids											Perfluoroalkane Sulfonic Acids								
			N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (PFOS + PFOA)	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	3&4-Methylphenol (m&p-cresol)
			µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg
EQL			5	5	10	5	0.5	0.5	0.5	0.5	0.5	5	5	50	5	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0.4
CRC Care HSL-D Commercial / Industrial																																						
CRC Care Intrusive Maintenance Worker																																						
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																						
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																						
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																						
Use and Disposa of Biosolids Products (1997), Table 3-5																																						
Site Specific EIL																																						
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																						
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																						
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																						
PFAS NEMP 2025 Ecological indirect exposure - all land uses																							3												3			
PFAS NEMP 2025 Industrial/Commerical (HIL D)													20,000										50,000															
Lab Report Number	**Field ID**	**Date**																																				
1153612	TP01/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP01/0.5	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP02/0.1	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP02/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP03/0.1	24 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP03/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.5	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP05/0.1	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP05/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/0.5	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP06/1.5	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP06/1.5_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/0.2	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	9.2	<50	9.2	<10	9.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9.2	<5	<5	<0.4
1153612	TP07/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/1.8	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	10	<50	10	10	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10	<5	<5	<0.4
1153612	TP07/1.8_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.1	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP08/0.6	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.6_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/0.1	23 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP09/1.5	23 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP09/1.5_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/2.7	23 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP09/2.7_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP10/1.0	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1157818	TP10/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157818	TP10/3.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/1.2	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP11/1.2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP12/0.5	24 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP12/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/0.1	24 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP13/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/1.0	24 Oct 2024	<5	<5	67	<5	-	-	-	-	-	<5	120	234	152	152	152	<5	<5	<5	<5	<5	32	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	120	<5	<5	-
1153612	TP14/0.1	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP14/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP14/1.0	24 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4

			Perfluoroalkyl Sulfonamides				MAH					PFAS						Perfluoroalkane Carboxylic Acids											Perfluoroalkane Sulfonic Acids							
			N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (PFOS + PFOA)	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane Sulfonic acid (PFPeS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	3&4-Methylphenol (m&p-cresol)
			µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	ug/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg
EQL			5	5	10	5	0.5	0.5	0.5	0.5	0.5	5	5	50	5	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0.4
CRC Care HSL-D Commercial / Industrial																																					
CRC Care Intrusive Maintenance Worker																																					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																																					
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																					
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																					
Use and Disposa of Biosolids Products (1997), Table 3-5																																					
Site Specific EIL																																					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																					
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																					
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																							3											3			
PFAS NEMP 2025 Industrial/Commerical (HIL D)													20,000										50,000														
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP15/1.0	23 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP16/0.1	23 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<5	<5	23	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	19	<50	19	19	19	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	19	<5	<5	<5	<0.4
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	75	75	75	75	75	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75	<5	<5	<5	<0.4
1153612	TP18/0.1	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP18/0.6	22 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	120	120	120	120	120	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	120	<5	<5	<5	-
1153612	TP19/0.1	22 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP19/1.0	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP20/1.2	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	50.5	8.8	50.5	8.8	<5	7.1	27	<5	8.8	<5	<5	<5	<5	<5	<5	<5	7.6	<5	<5	<5	<5	<5	<5	-
1153612	TP22/2.0	23 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	7.3	19.3	7.3	<5	<5	12	<5	7.3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP23/0.3	23 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP23/1.0	23 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	6.1	<50	6.1	<10	6.1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.1	<5	<5	-
1153612	TP24/0.1	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP25/0.5	22 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	8.8	<50	8.8	26.2	8.8	<5	5.4	12	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.8	<5	<5	-
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	5.6	<50	5.6	13.3	5.6	<5	<5	7.7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.6	<5	<5	-
1153612	TP26/0.2	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP27/0.1	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1153612	TP31/0.1	23 Oct 2024	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1153612	TP31/0.9	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/1.0	23 Oct 2024	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1154982	TP32/1.2	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP33/1.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP34/2.0	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP35/0.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP36/1.0	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP37/0.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP37/2.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH01_0.1	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH01_0.5	02 Jul 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH01_1.0	02 Jul 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH01_2.0	02 Jul 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	9.5	<50	9.5	<10	9.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9.5	<5	<5	<0.4
1240933	BH01_3.0	02 Jul 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH01_4.0	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH02_0.1	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH02_0.5	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH03_0.1	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH03_0.5	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH04_0.2	01 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH04_1.2	01 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH05_0.3	01 Jul 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH06_0.1	01 Jul 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH06_0.5	01 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH07_0.1	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	139	139	120	139	139	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	19	<5	120	<5	<0.4
1240933	BH07_0.5	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	151	151	140	151	151	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11	<5	140	<5	<0.4
1240933	BH07_1.0	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH08_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.4	30 Jun 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH08_0.9	30 Jun 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH08_2.0	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH09_0.1	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH09_0.5	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH09_1.0	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH09_2.0	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH10_0.1	30 Jun 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	20	<50	20	20	20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	20	<5	<5	<1
1240933	BH10_0.2	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.4	30 Jun 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	11	<50	11	11	11	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11	<5	<5	<0.4
1240933	BH10_0.7	30 Jun 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH11_0.2	01 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH12_0.1	02 Jul 2025	<5	<5	<10	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
1240933	BH12_0.5	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4
1240933	BH12_1.0	02 Jul 2025	<5	<5	<10	<5	-	-	-	-	-	<5	<5	<50	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.4

Environmental Standards

CRC Care, 2011, CRC Care HSL-D Commercial / Industrial
CRC Care, 2011, CRC Care Intrusive Maintenance Worker
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil
PFAS NEMP 2025 Ecological indirect exposure - all land uses
PFAS NEMP 2025 Industrial/Commerical (HIL D)

			Phenols																				(n:2) Fluorotelomer Sulfonic Acids											
			2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Tetrachlorophenols	Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD
			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	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	1	1	0.5	0.5	5	0.5	0.5	0.2	1	5	20	1	5	0.5	1	10	0.5	1	20	5	10	5	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05
CRC Care HSL-D Commercial / Industrial																																				
CRC Care Intrusive Maintenance Worker																																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																	25,000	660		240,000											45		530		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																				
Use and Disposa of Biosolids Products (1997), Table 3-5																																				
Site Specific EIL																																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																				
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																				
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																				
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																				
Lab Report Number	**Field ID**	**Date**																																		
1153612	TP01/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP01/0.5	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP02/0.1	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP02/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP03/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP03/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.5	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP05/0.1	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP05/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/0.5	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP06/1.5	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP06/1.5_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/0.2	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP07/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/1.8	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP07/1.8_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.1	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP08/0.6	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.6_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/0.1	23 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP09/1.5	23 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP09/1.5_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/2.7	23 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP09/2.7_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP10/1.0	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1157818	TP10/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157818	TP10/3.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/1.2	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP11/1.2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP12/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP12/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP13/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP14/0.1	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP14/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP14/1.0	24 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05

			Phenols																			(n:2) Fluorotelomer Sulfonic Acids													
			2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Tetrachlorophenols	Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD
			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	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	1	1	0.5	0.5	5	0.5	0.5	0.2	1	5	20	1	5	0.5	1	10	0.5	1	20	5	10	5	5	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05
CRC Care HSL-D Commercial / Industrial																																				
CRC Care Intrusive Maintenance Worker																																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																	25,000	660		240,000												45		530		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																				
Use and Disposa of Biosolids Products (1997), Table 3-5																																				
Site Specific EIL																																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																				
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																				
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																				
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																				
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP15/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP16/0.1	23 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP18/0.1	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP18/0.6	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP19/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1153612	TP19/1.0	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP20/1.2	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	**0.41**	<0.1	**0.08**	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	**0.07**
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1153612	TP22/2.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1153612	TP23/0.3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1153612	TP23/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP24/0.1	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	**0.2**	<1	<5	-	<1	<5	-	<1	-	**0.6**	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP25/0.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP26/0.2	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP27/0.1	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<10	<5	<5	-	-	-	-	-	-	-	-	-	-
1153612	TP31/0.9	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1153612	TP31/1.0	23 Oct 2024	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	-	<1	<5	-	<1	-	<0.5	-	-	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1154982	TP32/1.2	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1154982	TP33/1.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	**0.08**	<0.05	<0.1	<0.05	<0.05
1154982	TP34/2.0	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1154982	TP35/0.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1154982	TP36/1.0	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1154982	TP37/0.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1154982	TP37/2.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH01_0.1	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH01_0.5	02 Jul 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH01_1.0	02 Jul 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH01_2.0	02 Jul 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH01_3.0	02 Jul 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH01_4.0	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH02_0.1	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1240933	BH02_0.5	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH03_0.1	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1240933	BH03_0.5	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH04_0.2	01 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH04_1.2	01 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH05_0.3	01 Jul 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH06_0.1	01 Jul 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH06_0.5	01 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH07_0.1	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1240933	BH07_0.5	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH07_1.0	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH08_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.4	30 Jun 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH08_0.9	30 Jun 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH08_2.0	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH09_0.1	30 Jun 2025	-	<1	<1	<0.5	**0.5**	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1240933	BH09_0.5	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH09_1.0	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH09_2.0	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH10_0.1	30 Jun 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<1	<5	<20	<1	<5	<1	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1240933	BH10_0.2	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.4	30 Jun 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH10_0.7	30 Jun 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH11_0.2	01 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05
1240933	BH12_0.1	02 Jul 2025	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<1	<5	<20	<1	<5	<1	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1240933	BH12_0.5	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
1240933	BH12_1.0	02 Jul 2025	-	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10	<0.5	<1	<20	<5	<10	<5	<5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05

Environmental Standards
CRC Care, 2011, CRC Care HSL-D Commercial / Industrial
CRC Care, 2011, CRC Care Intrusive Maintenance Worker
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil
PFAS NEMP 2025 Ecological indirect exposure - all land uses
PFAS NEMP 2025 Industrial/Commerical (HIL D)

			Organochlorine Pesticides														Chlorinated Hydrocarbons																					
			DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Other chlorinated hydrocarbons EPAVic	Chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Benzyl chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform
			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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			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	0.5	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	0.5
CRC Care HSL-D Commercial / Industrial																																					
CRC Care Intrusive Maintenance Worker																																					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil				3,600					100				50		2,500	160																					
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																					
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind			640																																		
Use and Disposa of Biosolids Products (1997), Table 3-5																																					
Site Specific EIL																																					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																					
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																					
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																					
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																					
Lab Report Number	**Field ID**	**Date**																																			
1153612	**TP01/0.1**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP01/0.5**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP02/0.1**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP02/1.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP03/0.1**	**24 Oct 2024**	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP03/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP04/0.1**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP04/0.5**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP05/0.1**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP05/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP06/0.5**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP06/1.5**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP06/1.5_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP06/2.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP06/2_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP07/0.2**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP07/1.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP07/1.8**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP07/1.8_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP08/0.1**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP08/0.6**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP08/0.6_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP09/0.1**	**23 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP09/1.5**	**23 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP09/1.5_ACM**	**23 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP09/2.7**	**23 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP09/2.7_ACM**	**23 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP10/1.0**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1157818	**TP10/2.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157818	**TP10/3.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP11/0.2**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP11/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP11/1.2**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP11/1.2_ACM**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP12/0.5**	**24 Oct 2024**	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP12/1.0**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP13/0.1**	**24 Oct 2024**	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP13/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP13/1.0**	**24 Oct 2024**	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP14/0.1**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5
1153612	**TP14/0.5**	**24 Oct 2024**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	**TP14/1.0**	**24 Oct 2024**	<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	<0.5	<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	<0.5	<0.5

			Organochlorine Pesticides														Chlorinated Hydrocarbons																			
			DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g- BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Other chlorinated hydrocarbons EPAVic	Chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Benzyl chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform
			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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			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	0.5	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	0.5
CRC Care HSL-D Commercial / Industrial																																				
CRC Care Intrusive Maintenance Worker																																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil				3,600					100				50		2,500	160																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind			640																																	
Use and Disposa of Biosolids Products (1997), Table 3-5																																				
Site Specific EIL																																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																				
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																				
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																				
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																				
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP15/1.0	23 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/0.1	23 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP18/0.1	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP18/0.6	22 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP19/0.1	22 Oct 2024	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP19/1.0	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP20/1.2	22 Oct 2024	0.26	0.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.5	<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	<0.5
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/2.0	23 Oct 2024	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP23/0.3	23 Oct 2024	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP23/1.0	23 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/0.1	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP25/0.5	22 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP26/0.2	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP27/0.1	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<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	<0.5	<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	<0.5
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/0.9	23 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/1.0	23 Oct 2024	<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	<0.5	<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	<0.5
1154982	TP32/1.2	25 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP33/1.5	25 Oct 2024	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP34/2.0	25 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP35/0.5	25 Oct 2024	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP36/1.0	25 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP37/0.5	25 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP37/2.5	25 Oct 2024	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH01_0.1	02 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH01_0.5	02 Jul 2025	<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	<0.5	<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	<0.5
1240933	BH01_1.0	02 Jul 2025	<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	<0.5	<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	<0.5
1240933	BH01_2.0	02 Jul 2025	<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	<0.5	<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	<0.5
1240933	BH01_3.0	02 Jul 2025	<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	<0.5	<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	<0.5
1240933	BH01_4.0	02 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH02_0.1	02 Jul 2025	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH02_0.5	02 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH03_0.1	02 Jul 2025	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH03_0.5	02 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH04_0.2	01 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH04_1.2	01 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH05_0.3	01 Jul 2025	<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	<0.5	<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	<0.5
1240933	BH06_0.1	01 Jul 2025	<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	<0.5	<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	<0.5
1240933	BH06_0.5	01 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH07_0.1	30 Jun 2025	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH07_0.5	30 Jun 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH07_1.0	30 Jun 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.4	30 Jun 2025	<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	<0.5	<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	<0.5
1240933	BH08_0.9	30 Jun 2025	<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	<0.5	<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	<0.5
1240933	BH08_2.0	30 Jun 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH09_0.1	30 Jun 2025	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH09_0.5	30 Jun 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH09_1.0	30 Jun 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH09_2.0	30 Jun 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.1	30 Jun 2025	<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	<10	<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	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH10_0.2	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.4	30 Jun 2025	<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	<0.5	<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	<0.5
1240933	BH10_0.7	30 Jun 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH11_0.2	01 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH12_0.1	02 Jul 2025	<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	<10	<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	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH12_0.5	02 Jul 2025	<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	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH12_1.0	02 Jul 2025	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards

CRC Care, 2011, CRC Care HSL-D Commercial / Industrial
CRC Care, 2011, CRC Care Intrusive Maintenance Worker
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil
PFAS NEMP 2025 Ecological indirect exposure - all land uses
PFAS NEMP 2025 Industrial/Commerical (HIL D)

															Halogenated Benzenes														Explosives						
			Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3,5-Tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3,5-Trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	2,4-Dinitrotoluene	2,6-dinitrotoluene	2,4-& 2,6-Dinitrotoluene	Nitrobenzene	Arochlor 1016	Arochlor 1221	Arochlor 1232
			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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	1	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	0.05	0.5	0.2	1	0.2	0.5	0.1	0.1	0.1
CRC Care HSL-D Commercial / Industrial																																					
CRC Care Intrusive Maintenance Worker																																					
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																												80									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																					
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																					
Use and Disposa of Biosolids Products (1997), Table 3-5																																					
Site Specific EIL																																					
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																					
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																					
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																					
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																					
Lab Report Number	**Field ID**	**Date**																																			
1153612	TP01/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP01/0.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP02/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP02/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP03/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP03/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP05/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP05/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/0.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP06/1.5	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP06/1.5_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/0.2	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP07/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/1.8	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP07/1.8_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP08/0.6	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.6_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/0.1	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP09/1.5	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP09/1.5_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/2.7	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP09/2.7_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP10/1.0	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1157818	TP10/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157818	TP10/3.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/1.2	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP11/1.2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP12/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP12/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP13/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP14/0.1	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP14/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP14/1.0	24 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1

															Halogenated Benzenes														Explosives						
			Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3,5-Tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3,5-Trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	2,4-Dinitrotoluene	2,6-dinitrotoluene	2,4-& 2,6-Dinitrotoluene	Nitrobenzene	Aroclor 1016	Aroclor 1221	Aroclor 1232
			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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	1	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	0.05	0.5	0.2	1	0.2	0.5	0.1	0.1	0.1
CRC Care HSL-D Commercial / Industrial																																				
CRC Care Intrusive Maintenance Worker																																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																												80								
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																																				
Use and Disposa of Biosolids Products (1997), Table 3-5																																				
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NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																				
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																																				
PFAS NEMP 2025 Ecological indirect exposure - all land uses																																				
PFAS NEMP 2025 Industrial/Commerical (HIL D)																																				
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP15/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP16/0.1	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP18/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP18/0.6	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP19/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1153612	TP19/1.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP20/1.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1153612	TP22/2.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1153612	TP23/0.3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1153612	TP23/1.0	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP24/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP25/0.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP26/0.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP27/0.1	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/0.9	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1153612	TP31/1.0	23 Oct 2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.5	<1	-	<0.5	<0.1	<0.1	<0.1
1154982	TP32/1.2	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1154982	TP33/1.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1154982	TP34/2.0	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1154982	TP35/0.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1154982	TP36/1.0	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1154982	TP37/0.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1154982	TP37/2.5	25 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH01_0.1	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH01_0.5	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH01_1.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH01_2.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH01_3.0	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH01_4.0	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH02_0.1	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1240933	BH02_0.5	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH03_0.1	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1240933	BH03_0.5	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH04_0.2	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH04_1.2	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH05_0.3	01 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH06_0.1	01 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH06_0.5	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH07_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1240933	BH07_0.5	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH07_1.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH08_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.4	30 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH08_0.9	30 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH08_2.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH09_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1240933	BH09_0.5	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH09_1.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH09_2.0	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH10_0.1	30 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
1240933	BH10_0.2	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.4	30 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<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	<0.05	<0.5	<0.2	<1	<1	<0.5	<0.1	<0.1	<0.1
1240933	BH10_0.7	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH11_0.2	01 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1
1240933	BH12_0.1	02 Jul 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
1240933	BH12_0.5	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	<1	<1	<1
1240933	BH12_1.0	02 Jul 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	<0.1	<0.1	<0.1

Environmental Standards

CRC Care, 2011, CRC Care HSL-D Commercial / Industrial
CRC Care, 2011, CRC Care Intrusive Maintenance Worker
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil
PFAS NEMP 2025 Ecological indirect exposure - all land uses
PFAS NEMP 2025 Industrial/Commerical (HIL D)

	PCBs					Phthalates						Solvents					VOCs	Herbicides			Halogenated Hydrocarbons				
	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	Dibenz(a,j)acridine	Dinoseb	Pronamide	Trifluralin	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane
	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	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.1	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	20	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care HSL-D Commercial / Industrial																									
CRC Care Intrusive Maintenance Worker																									
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil					7																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																									
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																									
Use and Disposa of Biosolids Products (1997), Table 3-5																									
Site Specific EIL																									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																									
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																									
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																									
PFAS NEMP 2025 Ecological indirect exposure - all land uses																									
PFAS NEMP 2025 Industrial/Commerical (HIL D)																									
Lab Report Number	**Field ID**	**Date**																									
1153612	TP01/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP01/0.5	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP02/0.1	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP02/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP03/0.1	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP03/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.1	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP04/0.5	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP05/0.1	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP05/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/0.5	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP06/1.5	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP06/1.5_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP06/2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/0.2	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP07/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP07/1.8	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP07/1.8_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.1	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP08/0.6	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP08/0.6_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/0.1	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP09/1.5	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP09/1.5_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP09/2.7	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP09/2.7_ACM	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP10/1.0	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1157818	TP10/2.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157818	TP10/3.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.2	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP11/1.2	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP11/1.2_ACM	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP12/0.5	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP12/1.0	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/0.1	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP13/1.0	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP14/0.1	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP14/0.5	24 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP14/1.0	24 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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

			PCBs					Phthalates						Solvents					VOCs	Herbicides			Halogenated Hydrocarbons				
			Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	Dibenz(a,j)acridine	Dinoseb	Pronamide	Trifluralin	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane
			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	mg/kg	mg/kg
EQL			0.1	0.1	0.1	0.1	0.1	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	20	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care HSL-D Commercial / Industrial																											
CRC Care Intrusive Maintenance Worker																											
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							7																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																											
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																											
Use and Disposa of Biosolids Products (1997), Table 3-5																											
Site Specific EIL																											
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																											
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																											
NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil																											
PFAS NEMP 2025 Ecological indirect exposure - all land uses																											
PFAS NEMP 2025 Industrial/Commerical (HIL D)																											
1153612	TP15/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP15/0.5	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP15/1.0	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/0.1	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP16/0.5	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP16/1.0	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP17/0.1	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP17/0.5	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP18/0.1	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP18/0.6	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP19/0.1	22 Oct 2024	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP19/1.0	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP20/1.2	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP20/1.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP20/2.5_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP21/0.1	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/1.0	23 Oct 2024	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP22/2.0	23 Oct 2024	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP23/0.3	23 Oct 2024	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP23/1.0	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/0.1	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP24/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP24/2.0	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP25/0.5	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/1.5	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP25/2.5	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP26/0.2	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP27/0.1	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP27/0.7	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/0.2	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP29/0.2_ACM	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP29/1.2	22 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP30/1.0	22 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1153612	TP31/0.1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/0.9	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1153612	TP31/1.0	23 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	<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
1154982	TP32/1.2	25 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP33/1.5	25 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP34/2.0	25 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP35/0.5	25 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP36/1.0	25 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP37/0.5	25 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1154982	TP37/2.5	25 Oct 2024	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH01_0.1	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH01_0.5	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH01_1.0	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH01_2.0	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH01_3.0	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH01_4.0	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH02_0.1	02 Jul 2025	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH02_0.5	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH03_0.1	02 Jul 2025	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH03_0.5	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH04_0.2	01 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH04_1.2	01 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH05_0.3	01 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH06_0.1	01 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH06_0.5	01 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH07_0.1	30 Jun 2025	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH07_0.5	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH07_1.0	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH08_0.1	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH08_0.4	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH08_0.9	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH08_2.0	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH09_0.1	30 Jun 2025	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH09_0.5	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH09_1.0	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH09_2.0	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH10_0.1	30 Jun 2025	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH10_0.2	30 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1240933	BH10_0.4	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH10_0.7	30 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH11_0.2	01 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH12_0.1	02 Jul 2025	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1240933	BH12_0.5	02 Jul 2025	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-
1240933	BH12_1.0	02 Jul 2025	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-

Environmental Standards

CRC Care, 2011, CRC Care HSL-D Commercial / Industrial
CRC Care, 2011, CRC Care Intrusive Maintenance Worker
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Comm/Ind D HSL for Asbestos in Soil
PFAS NEMP 2025 Ecological indirect exposure - all land uses
PFAS NEMP 2025 Industrial/Commerical (HIL D)

Sample type	Sample ID	no. of fragments	Asbestos Type	Condition	ACM fragment weight (grams)	10l bucket weight (wet weight) (kg)	Asbestos content (%)	Soil volume (l)	Moisture content (%)	Soil dry weight (kg)	Asbestos in soil (%w/w)
ACM fragment	TP06/1.5_ACM	One fragment of fibre cement material approximately 60x20x2mm	Chrysotile	Good	146	10	0.15	10	13.0%	8.85	0.247
ACM fragment	TP08/0.6_ACM	Two fragments of fibre cement material approximately 70x30x2mm	Chrysotile	Good	14	10	0.15	10	21.0%	8.26	0.025
ACM fragment	TP09/1.5_ACM	One fragment of fibre cement material approximately 60x20x2mm	Chrysotile	Good	8	11	0.15	10	6.5%	10.33	0.012
ACM fragment	TP10/3.0	Two fragments of fibre cement material approximately 20x20x3mm	Chrysotile	Good	1.6	10	0.15	10	20.0%	8.33	0.003
ACM fragment	TP11/1.2_ACM	Two fragments of fibre cement material approximately 170x110x40mm	Chrysotile and amosite	Good	363	10	0.15	10	11.0%	9.01	0.604
ACM fragment	TP29/0.2	One fragment of fibre cement material approximately 15x10x4 mm	Chrysotile	Good	0.88	13	0.15	10	15.0%	11.30	0.001

Notes

Asbestos content	assumed 15% as per Schedule B2 of WA DoH guidelines (2021)
	Exceedance of Health Screening Level criteria for bonded ACM (Commerical/Industrial)

			TPH				TRH - (Silica Gel Cleanup)			
			C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	C10-C14 Fraction (SG)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	>C10-C40 Fraction (SG)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			50	100	100	50	50	100	100	100
Lab Report Number	**Field ID**	**Date**								
1244133	**BH03_0.1**	**30 Jun 2025**	<100	<100	<100	<50	<50	<100	<100	<100

			pH Field Screen				Acid Sulphate Soils - Acidity Trail									Potential Acidity		Acid Neutralising Capacity			
			pHF	pHFox	pH Change	Reaction Rate**	pH-OX	pH (KCl)	Acid Neutralising Capacity equivalent S% pyrite	Titratable Actual Acidity (sulfur units)	Titratable Peroxide Acidity (sulfur units)	Titratable Sulfidic Acidity (sulfur units)	Titratable Actual Acidity	Titratable Peroxide Acidity	Titratable Sulfidic Acidity	Chromium Reducible Sulphur (acidity units)	Chromium Reducible Sulfur	ANC as CaCO3	Acid Neutralising Capacity (acidity units)	Acid Neutralising Capacity	Acid Neutralising Capacity (sulfur units)
			-	-	COMMENT	COMMENT	-	-	%S	%S	%S	%S	mole H+/t	mole H+/t	mole H+/t	mole H+/t	%S	% CaCO3	mole H+/t	%CaCO3	%S
EQL			0.1	0.1	0	0	0.1	0.1	0.02	0.003	0.02	0.02	2	2	2	3	0.005	0.02	2	0.01	0.02
Assessment Criteria (ASSMAC 1998 - >1000 t)																					
Date	**Field ID**	**Lab Report Number**																			
30 Jun 2025	BH07_0.5	1240933	7.6	9.3	-1.7	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH07_1.0	1240933	7.6	9.2	-1.6	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH07_2.0	1240933	7.7	9.5	-1.8	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH07_2.0	1248271	-	-	-	-	8.2	10	14	<0.003	<0.02	<0.02	<2	<2	<2	<3	<0.005	44	6,600	33	11
30 Jun 2025	BH07_3.0	1240933	7.7	9.4	-1.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH07_4.0	1240933	7.6	9.2	-1.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH07_4.0	1248271	-	-	-	-	8.2	9.8	22	<0.003	<0.02	<0.02	<2	<2	<2	<3	<0.005	68	13,000	68	22
30 Jun 2025	BH07_5.0	1240933	7.7	9.5	-1.8	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_0.7	1240933	7.5	9.5	-2	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_0.7	1248271	-	-	-	-	7.9	9.9	19	<0.003	<0.02	<0.02	<2	<2	<2	<3	<0.005	58	8,700	43	14
30 Jun 2025	BH10_1.5	1240933	7.5	9.4	-1.9	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_2.0	1240933	7.8	9.1	-1.3	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_2.5	1240933	7.7	9.0	-1.3	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_3.0	1240933	7.9	9.4	-1.5	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_3.0	1248271	-	-	-	-	8.2	9.9	26	<0.003	<0.02	<0.02	<2	<2	<2	<3	<0.005	80	14,000	69	22
30 Jun 2025	BH10_4.0	1240933	7.7	9.4	-1.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_5.0	1240933	7.8	9.5	-1.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	BH10_6.0	1240933	7.8	9.5	-1.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	BH02_0.5	1240933	7.6	9.4	-1.8	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	BH02_1.2	1240933	7.6	9.2	-1.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	BH02_2.2	1240933	7.7	9.4	-1.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	BH02_3.0	1240933	7.9	9.4	-1.5	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	BH02_3.0	1248271	-	-	-	-	8.2	10	25	<0.003	<0.02	<0.02	<2	<2	<2	<3	<0.005	79	14,000	70	22
02 Jul 2025	BH02_4.0	1240933	7.8	9.3	-1.5	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	BH02_5.2	1240933	7.8	9.5	-1.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	BH02_5.2	1248271	-	-	-	-	8.1	9.9	24	<0.003	<0.02	<0.02	<2	<2	<2	<3	<0.005	76	14,000	69	22

*Net Acidity = potential sulfidic acidity + Actual acidity + Retained acidity (where value was below limit of reporting it was set to zero - calculated by SMEC)

**Reaction Rate legend: 1.0 No reaction to slight
2.0 Moderate reaction
3.0 Strong reaction with persisten froth
4.0 Extreme reaction

			Sulfur Trail				Calcium Values					Magnesium Values					Acid Base Accounting	
			Peroxide Oxidisable Sulfur (acidity units)	KCl Extractable Sulfur	Peroxide Sulfur	Peroxide Oxidisable Sulfur	acidity - Acid Reacted Calcium	Acid Reacted Calcium	KCl Extractable Calcium	Calcium in Peroxide	sulfidic - Acid Reacted Calcium	Acid Reacted Magnesium (acidity units)	Acid Reacted Magnesium	KCl Extractable Magnesium	Magnesium in Peroxide	Acid Reacted Magnesium (sulfur units)	Net Acidity (acidity units)	Net Acidity (sulfur units)
			mole H+/t	%	%	%	mole H+/t	%	%	%	% S	mole H+/t	%	%	%	%S	mole H+/t	%S
EQL			2	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	10	0.02
Assessment Criteria (ASSMAC 1998 - >1000 t)																	≥ 18	
Date	**Field ID**	**Lab Report Number**																
30 Jun 2025	**BH07_0.5**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH07_1.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH07_2.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH07_2.0**	**1248271**	**43**	**0.010**	**0.080**	**0.070**	**8,400**	**17**	**0.14**	**17**	**14**	**550**	**0.67**	**0.030**	**0.70**	**0.88**	<10	<0.02
30 Jun 2025	**BH07_3.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH07_4.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH07_4.0**	**1248271**	**68**	**0.010**	**0.12**	**0.11**	**12,000**	**25**	**0.16**	**25**	**20**	**770**	**0.94**	**0.040**	**0.98**	**1.2**	<10	<0.02
30 Jun 2025	**BH07_5.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_0.7**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_0.7**	**1248271**	**59**	**0.010**	**0.10**	**0.095**	**11,000**	**22**	**0.12**	**22**	**18**	**720**	**0.87**	**0.030**	**0.91**	**1.2**	<10	<0.02
30 Jun 2025	**BH10_1.5**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_2.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_2.5**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_3.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_3.0**	**1248271**	**78**	**0.010**	**0.13**	**0.13**	**14,000**	**28**	**0.13**	**28**	**22**	**1,200**	**1.5**	**0.040**	**1.5**	**1.9**	<10	<0.02
30 Jun 2025	**BH10_4.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_5.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 Jun 2025	**BH10_6.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	**BH02_0.5**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	**BH02_1.2**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	**BH02_2.2**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	**BH02_3.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	**BH02_3.0**	**1248271**	**70**	**0.010**	**0.12**	**0.11**	**15,000**	**29**	**0.13**	**29**	**23**	**1,000**	**1.3**	**0.050**	**1.3**	**1.7**	<10	<0.02
02 Jul 2025	**BH02_4.0**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	**BH02_5.2**	**1240933**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 Jul 2025	**BH02_5.2**	**1248271**	**69**	**0.010**	**0.12**	**0.11**	**14,000**	**28**	**0.13**	**28**	**22**	**950**	**1.2**	**0.040**	**1.2**	**1.5**	<10	<0.02

*Net Acidity = potential sulfidic acidity + Actual acidity + Retained acidity (where val

**Reaction Rate legend: 1.0 No reaction to slight
2.0 Moderate reaction
3.0 Strong reaction with persisten froth
4.0 Extreme reaction

	Inorganics									Metals									
	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Nitrite + Nitrate as N	Ammonia as N	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Organic Nitrogen as N	Arsenic	Arsenic (filtered)	Cadmium	Cadmium (filtered)	Chromium (III+VI)	Chromium (III+VI) (filtered)	Copper	Copper (filtered)	Lead	Lead (filtered)
	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.01	0.05	0.05	0.01	0.2	0.02	0.02	0.2	0.2	0.001	0.001	0.0002	0.0002	0.001	0.001	0.001	0.001	0.001	0.001
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)										0.0023*	0.0023*	0.0007	0.0007	0.008	0.008	0.0003	0.0003	0.0022	0.0022
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)				0.91						0.0045*	0.0045*	0.0055	0.0055	0.05	0.05	0.0013	0.0013	0.0044	0.0044
ANZECC 2000 SE Aust Triggers - Marine		0.01						0.12											
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic				**0.41**												**1**	**1**		
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health						113				0.1	0.1	0.02	0.02			20	20	0.1	0.1
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			

Lab Report Number	Field ID	Date																		
1243905	**WMFGW01**	**10 Jul 2025**	3.6	<0.05	2.4	0.01	<0.2	2.4	0.02	2.4	<0.02	0.12	0.002	0.0016	<0.0002	0.11	<0.001	0.12	0.002	0.071	<0.001
1243905	**WMFGW02**	**10 Jul 2025**	4.8	<0.05	1.5	0.02	1.0	1.5	<0.02	2.5	0.98	0.069	0.003	0.0002	<0.0002	0.071	<0.001	0.011	<0.001	0.003	<0.001
1243905	**WMFGW03**	**10 Jul 2025**	1.9	<0.05	1.2	0.01	1.0	1.2	<0.02	2.2	0.99	0.016	0.002	0.0004	<0.0002	0.024	<0.001	0.008	0.001	0.005	<0.001
1243905	**WMFSW01**	**10 Jul 2025**	0.02	<0.05	0.11	0.25	<0.2	0.11	<0.02	<0.2	<0.02	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1243905	**WMFSW02**	**10 Jul 2025**	0.02	<0.05	0.09	0.23	0.5	0.09	<0.02	0.6	0.27	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1243905	**WMFSW03**	**10 Jul 2025**	0.02	<0.05	0.09	0.25	<0.2	0.08	<0.02	<0.2	<0.02	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health

							TRH							TPH				
	Mercury	Mercury (filtered)	Nickel	Nickel (filtered)	Zinc	Zinc (filtered)	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 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)
	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
EQL	0.0001	0.0001	0.001	0.001	0.005	0.005	20	20	50	50	100	100	100	20	50	100	100	100
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)	0.0001	0.0001	0.007	0.007	0.0033	0.0033												
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)		0.0004	0.07	0.07	0.008	0.008												
ANZECC 2000 SE Aust Triggers - Marine																		
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand								6,000		NL								
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic					**3**	**3**												
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health	0.01	0.01	0.2	0.2														
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																		
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																		

Lab Report Number	Field ID	Date																	
1243905	**WMFGW01**	**10 Jul 2025**	0.0006	<0.0001	0.085	0.002	0.45	0.006	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100
1243905	**WMFGW02**	**10 Jul 2025**	<0.0001	<0.0001	0.050	0.001	0.036	<0.005	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100
1243905	**WMFGW03**	**10 Jul 2025**	<0.0001	<0.0001	0.020	0.002	0.026	<0.005	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100
1243905	**WMFSW01**	**10 Jul 2025**	<0.001	<0.001	<0.01	<0.01	<0.05	<0.05	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100
1243905	**WMFSW02**	**10 Jul 2025**	<0.001	<0.001	<0.01	<0.01	<0.05	<0.05	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100
1243905	**WMFSW03**	**10 Jul 2025**	<0.001	<0.001	<0.01	<0.01	<0.05	<0.05	<20	<20	<50	<50	<100	<100	<100	<20	<50	<100	<100	<100

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)

Vic EPA, 2021, ERS 5.8 MWPs K, O, GB

2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

	BTEXN								PAH										
	Benzene	Toluene	Ethylbenzene	Naphthalene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene (VOC)	1-Chloronaphthalene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene
	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL	0.001	0.001	0.001	0.001	2	0.001	3	0.01	5	5	5	5	5	1	1	1	1	1	0.001
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)	0.5	0.11	0.05	0.05				0.05								0.01		0.1	
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)	0.7	0.18	0.08	0.07				0.07								0.4		0.2	
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand	5	NL	NL	NL			NL	NL											
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic		**0.025**	**0.003**				**20**												
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health	0.01	8	3				6,000											0.1	
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			

Lab Report Number	Field ID	Date																		
1243905	**WMFGW01**	**10 Jul 2025**	<0.001	<0.001	<0.001	<0.001	<2	<0.001	<3	<0.01	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001
1243905	**WMFGW02**	**10 Jul 2025**	<0.001	<0.001	<0.001	<0.001	<2	<0.001	<3	<0.01	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001
1243905	**WMFGW03**	**10 Jul 2025**	<0.001	<0.001	<0.001	<0.001	<2	<0.001	<3	<0.01	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001
1243905	**WMFSW01**	**10 Jul 2025**	<0.001	<0.001	<0.001	<0.001	<2	<0.001	<3	<0.01	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001
1243905	**WMFSW02**	**10 Jul 2025**	<0.001	<0.001	<0.001	<0.001	<2	<0.001	<3	<0.01	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001
1243905	**WMFSW03**	**10 Jul 2025**	<0.001	<0.001	<0.001	<0.001	<2	<0.001	<3	<0.01	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	PAHs (Sum of total)	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL	1	1	1	1	1	1	1	1	1	1	0.002	2	2	20	2	0.002	20	2	2
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)															0.0005				
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)					1[A]			0.6[A]							0.009				
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health												300	100	20	100				
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			
Lab Report Number **Field ID** **Date**																			
1243905 **WMFGW01** **10 Jul 2025**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.002	<2	<2	<20	<2	<0.002	<20	<2	<2
1243905 **WMFGW02** **10 Jul 2025**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.002	<2	<2	<20	<2	<0.002	<20	<2	<2
1243905 **WMFGW03** **10 Jul 2025**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.002	<2	<2	<20	<2	<0.002	<20	<2	<2
1243905 **WMFSW01** **10 Jul 2025**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.002	<2	<2	<20	<2	<0.002	<20	<2	<2
1243905 **WMFSW02** **10 Jul 2025**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.002	<2	<2	<20	<2	<0.002	<20	<2	<2
1243905 **WMFSW03** **10 Jul 2025**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.002	<2	<2	<20	<2	<0.002	<20	<2	<2

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

												Organophosphorous Pesticides								
			Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	EPN	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	2	2	2	2	0.002	2	2	2	2	20	2	2
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)																					
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)																					
ANZECC 2000 SE Aust Triggers - Marine																					
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																					
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																					
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health			40	50	70	40	40	10	70	100	70		700		7	50	20		10		200
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																					
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFGW01**	**10 Jul 2025**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2
1243905	**WMFGW02**	**10 Jul 2025**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2
1243905	**WMFGW03**	**10 Jul 2025**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2
1243905	**WMFSW01**	**10 Jul 2025**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2
1243905	**WMFSW02**	**10 Jul 2025**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2
1243905	**WMFSW03**	**10 Jul 2025**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)

Vic EPA, 2021, ERS 5.8 MWPs K, O, GB

2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

					Pesticides		Amino Aliphatics		Amino Aromatics			Anilines		Nitroaromatics			Other		
	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Parathion	Pirimiphos-methyl	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-naphthylamine	2-naphthylamine	Diphenylamine	2-nitroaniline	Aniline	2-Picoline	4-aminobiphenyl	Pentachloronitrobenzene	Acetophenone	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene
	µg/L	µg/L	µg/L	mg/L	µg/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	µg/L
EQL	2	2	2	0.002	2	0.02	5	5	5	5	5	5	5	5	5	5	5	5	5
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)																			
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)																			
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health		9		1	200	0.9										300			
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			
Lab Report Number	**Field ID**	**Date**																	
1243905	**WMFGW01**	**10 Jul 2025**	<2	<2	<2	<0.002	<2	<0.02	<5	<5	<100	<100	<5	<5	<5	<5	<100	<5	<5	<5	<5
1243905	**WMFGW02**	**10 Jul 2025**	<2	<2	<2	<0.002	<2	<0.02	<5	<5	<100	<100	<5	<5	<5	<5	<100	<5	<5	<5	<5
1243905	**WMFGW03**	**10 Jul 2025**	<2	<2	<2	<0.002	<2	<0.02	<5	<5	<100	<100	<5	<5	<5	<5	<100	<5	<5	<5	<5
1243905	**WMFSW01**	**10 Jul 2025**	<2	<2	<2	<0.002	<2	<0.02	<5	<5	<100	<100	<5	<5	<5	<5	<100	<5	<5	<5	<5
1243905	**WMFSW02**	**10 Jul 2025**	<2	<2	<2	<0.002	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1243905	**WMFSW03**	**10 Jul 2025**	<2	<2	<2	<0.002	<2	<0.02	<5	<5	<100	<100	<5	<5	<5	<5	<100	<5	<5	<5	<5

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

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Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)

Vic EPA, 2021, ERS 5.8 MWPs K, O, GB

2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

	SVOCs						Perfluoroalkyl Sulfonamides							MAH					
	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	N-nitrosopiperidine	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Perfluorononanesulfonic acid (PFNS)
	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	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL	5	5	5	5	5	5	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.003	1	1	1	1	0.000001
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)																	20		
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)																	30		
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																		**4**	
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health																		300	
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			
Lab Report Number **Field ID** **Date**																			
1243905 **WMFGW01** **10 Jul 2025**	<5	<5	<5	<5	<5	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003	<1	<1	<1	<1	<0.000001
1243905 **WMFGW02** **10 Jul 2025**	<5	<5	<5	<5	<5	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003	<1	<1	<1	<1	<0.000001
1243905 **WMFGW03** **10 Jul 2025**	<5	<5	<5	<5	<5	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003	<1	<1	<1	<1	<0.000001
1243905 **WMFSW01** **10 Jul 2025**	<5	<5	<5	<5	<5	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003	<1	<1	<1	<1	<0.000001
1243905 **WMFSW02** **10 Jul 2025**	<5	<5	<5	<5	<5	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003	<1	<1	<1	<1	<0.000001
1243905 **WMFSW03** **10 Jul 2025**	<5	<5	<5	<5	<5	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003	<1	<1	<1	<1	<0.000001

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)

Vic EPA, 2021, ERS 5.8 MWPs K, O, GB

2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

	PFAS			Perfluoroalkane Carboxylic Acids											Perfluoroalkane Sulfonic Acids				
	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
	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
EQL	0.001	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)																			
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)																			
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health	0.7							5.6										0.7	
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems								19											
PFAS NEMP 2025 Recreational Water (NHMRC 2019)	2							10										2	
Lab Report Number	**Field ID**	**Date**																	
1243905	**WMFGW01**	**10 Jul 2025**	0.087	0.128	0.118	<0.005	0.005	0.011	0.005	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	0.008	0.001	0.053	0.001
1243905	**WMFGW02**	**10 Jul 2025**	0.0039	0.0629	0.0629	0.006	0.022	0.014	0.013	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
1243905	**WMFGW03**	**10 Jul 2025**	0.0037	0.0237	0.0237	<0.005	0.004	0.005	0.004	0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.002	<0.001
1243905	**WMFSW01**	**10 Jul 2025**	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1243905	**WMFSW02**	**10 Jul 2025**	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1243905	**WMFSW03**	**10 Jul 2025**	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

			Phenols																
	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	3&4-Methylphenol (m&p-cresol)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
EQL	0.0001	0.001	6	10	10	10	3	3	0.03	3	3	3	10	30	100	10	30	0.01	10
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)																			11
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)																			22
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic						**2**	**0.3**				**0.1**								
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health	0.7					200	2,000				3,000								100
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems	0.00023																		
PFAS NEMP 2025 Recreational Water (NHMRC 2019)	2																		
Lab Report Number	**Field ID**	**Date**																	
1243905	**WMFGW01**	**10 Jul 2025**	0.034	<0.001	<6	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<100	<10	<30	<0.01	<10
1243905	**WMFGW02**	**10 Jul 2025**	0.0029	<0.001	<6	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<100	<10	<30	<0.01	<10
1243905	**WMFGW03**	**10 Jul 2025**	0.0017	<0.001	<6	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<100	<10	<30	<0.01	<10
1243905	**WMFSW01**	**10 Jul 2025**	0.0004	<0.001	<6	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<100	<10	<30	<0.01	<10
1243905	**WMFSW02**	**10 Jul 2025**	0.0003	<0.001	<6	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<100	<10	<30	<0.01	<10
1243905	**WMFSW03**	**10 Jul 2025**	0.0004	<0.001	<6	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<100	<10	<30	<0.01	<10

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)

Vic EPA, 2021, ERS 5.8 MWPs K, O, GB

2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

					(n:2) Fluorotelomer Sulfonic Acids															
	Tetrachlorophenols	Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT
	µg/L	µg/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	µg/L	µg/L	µg/L
EQL	30	3	0.01	0.1	0.001	0.005	0.001	0.001	2	2	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)		270																	
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)		400																	
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health														3		20			90
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			
Lab Report Number	**Field ID**	**Date**																		
1243905	**WMFGW01**	**10 Jul 2025**	<30	<3	<0.01	<0.1	<0.001	<0.005	<0.001	<0.001	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
1243905	**WMFGW02**	**10 Jul 2025**	<30	<3	<0.01	<0.1	<0.001	<0.005	<0.001	<0.001	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
1243905	**WMFGW03**	**10 Jul 2025**	<30	<3	<0.01	<0.1	<0.001	<0.005	<0.001	<0.001	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
1243905	**WMFSW01**	**10 Jul 2025**	<30	<3	<0.01	<0.1	<0.001	<0.005	<0.001	<0.001	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
1243905	**WMFSW02**	**10 Jul 2025**	<30	<3	<0.01	<0.1	<0.001	<0.005	<0.001	<0.001	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
1243905	**WMFSW03**	**10 Jul 2025**	<30	<3	<0.01	<0.1	<0.001	<0.005	<0.001	<0.001	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

* indicates a low reliability value was used

Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

						Organochlorine Pesticides														
						DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Other chlorinated hydrocarbons EPAVic	Chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.005	5	5	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)											0.004										130	200	140
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)											0.008										270	400	1,900
ANZECC 2000 SE Aust Triggers - Marine																							
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																							
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																							
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health														100	3								
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																							
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																							
Lab Report Number	**Field ID**	**Date**																					
1243905	**WMFGW01**	**10 Jul 2025**	<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	<0.005	<5	<5	<1	<1	<1	<1
1243905	**WMFGW02**	**10 Jul 2025**	<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	<0.005	<5	<5	<1	<1	<1	<1
1243905	**WMFGW03**	**10 Jul 2025**	<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	<0.005	<5	<5	<1	<1	<1	<1
1243905	**WMFSW01**	**10 Jul 2025**	<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	<0.005	<5	<5	<1	<1	<1	<1
1243905	**WMFSW02**	**10 Jul 2025**	<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	<0.005	<5	<5	<1	<1	<1	<1
1243905	**WMFSW03**	**10 Jul 2025**	<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	<0.005	<5	<5	<1	<1	<1	<1

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

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Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

	Chlorinated Hydrocarbons																		
	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Benzyl chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/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
EQL	1	1	1	1	1	1	0.005	1	1	1	1	1	5	5	5	1	1	1	5
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)		500		1,000	600	700					150			370					3,000
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)		700		1,900	900	1,100					240			770					4,000
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health		300		30							30								40
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			

Lab Report Number	Field ID	Date																	
1243905	**WMFGW01**	**10 Jul 2025**	<1	<1	<1	<1	<1	<1	<0.005	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5
1243905	**WMFGW02**	**10 Jul 2025**	<1	<1	<1	<1	<1	<1	<0.005	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5
1243905	**WMFGW03**	**10 Jul 2025**	<1	<1	<1	<1	<1	<1	<0.005	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5
1243905	**WMFSW01**	**10 Jul 2025**	<1	<1	<1	<1	<1	<1	<0.005	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5
1243905	**WMFSW02**	**10 Jul 2025**	<1	<1	<1	<1	<1	<1	<0.005	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5
1243905	**WMFSW03**	**10 Jul 2025**	<1	<1	<1	<1	<1	<1	<0.005	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

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Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

									Halogenated Benzenes										
	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3,5-Tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3,5-Trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	5	5	5	1	1	1	1	5	0.005	0.005	5	5	5	1	5	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)				220	40			70	0.002	0.003		3	20		8				
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)				330	70			100	0.004	0.005		5	80		13				
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic														**1**		**20**	**0.3**		
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health	7				500			3						15,000			400		
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			

Lab Report Number	Field ID	Date																		
1243905	**WMFGW01**	**10 Jul 2025**	<5	<5	<5	<1	<1	<1	<1	<5	<0.005	<0.005	<5	<5	<5	<1	<5	<1	<1	<1	<1
1243905	**WMFGW02**	**10 Jul 2025**	<5	<5	<5	<1	<1	<1	<1	<5	<0.005	<0.005	<5	<5	<5	<1	<5	<1	<1	<1	<1
1243905	**WMFGW03**	**10 Jul 2025**	<5	<5	<5	<1	<1	<1	<1	<5	<0.005	<0.005	<5	<5	<5	<1	<5	<1	<1	<1	<1
1243905	**WMFSW01**	**10 Jul 2025**	<5	<5	<5	<1	<1	<1	<1	<5	<0.005	<0.005	<5	<5	<5	<1	<5	<1	<1	<1	<1
1243905	**WMFSW02**	**10 Jul 2025**	<5	<5	<5	<1	<1	<1	<1	<5	<0.005	<0.005	<5	<5	<5	<1	<5	<1	<1	<1	<1
1243905	**WMFSW03**	**10 Jul 2025**	<5	<5	<5	<1	<1	<1	<1	<5	<0.005	<0.005	<5	<5	<5	<1	<5	<1	<1	<1	<1

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

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Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)

Vic EPA, 2021, ERS 5.8 MWPs K, O, GB

2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

				Explosives				PCBs								Phthalates			
	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	2,4-Dinitrotoluene	2,6-dinitrotoluene	2,4-& 2,6-Dinitrotoluene	Nitrobenzene	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate
	µg/L	µg/L	µg/L	µg/L	µg/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	µg/L
EQL	1	0.2	5	5	5	0.005	5	5	5	5	5	5	5	5	5	5	5	5	5
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)	15	0.05	1.5																
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)	55	0.1	2																
ANZECC 2000 SE Aust Triggers - Marine																			
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																			
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic	**10**																		
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health	3,000															100			
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																			
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																			

Lab Report Number	Field ID	Date																		
1243905	**WMFGW01**	**10 Jul 2025**	<1	<0.2	<5	<5	<5	<0.005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1243905	**WMFGW02**	**10 Jul 2025**	<1	<0.2	<5	<5	<5	<0.005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1243905	**WMFGW03**	**10 Jul 2025**	<1	<0.2	<5	<5	<5	<0.005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1243905	**WMFSW01**	**10 Jul 2025**	<1	<0.2	<5	<5	<5	<0.005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1243905	**WMFSW02**	**10 Jul 2025**	<1	<0.2	<5	<5	<5	<0.005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1243905	**WMFSW03**	**10 Jul 2025**	<1	<0.2	<5	<5	<5	<0.005	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

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Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)

Vic EPA, 2021, ERS 5.8 MWPs K, O, GB

2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

			Solvents					VOCs	Herbicides			Halogenated Hydrocarbons				
	Di-n-butyl phthalate	Di-n-octyl phthalate	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	Dibenz[a,j]acridine	Dinoseb	Pronamide	Trifluralin	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane
	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	5	5	5	5	0.005	0.001	1	0.005	100	5	0.005	1	5	5	1	5
ANZG Marine Water Toxicant DGVs LOSP 99% (June 2025)																
ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)																
ANZECC 2000 SE Aust Triggers - Marine																
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand																
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Aesthetic																
NHMRC (2011) Guidelines for Managing Risk in Recreational Water - Health										700	0.9	10	10			
PFAS NEMP 2025 Marine 99% species protection – high conservation value systems																
PFAS NEMP 2025 Recreational Water (NHMRC 2019)																
Lab Report Number	**Field ID**	**Date**														
1243905	**WMFGW01**	**10 Jul 2025**	<5	<5	<5	<5	<0.005	<0.001	<1	<0.005	<100	<5	<0.005	<1	<5	<5	<1	<5
1243905	**WMFGW02**	**10 Jul 2025**	<5	<5	<5	<5	<0.005	<0.001	<1	<0.005	<100	<5	<0.005	<1	<5	<5	<1	<5
1243905	**WMFGW03**	**10 Jul 2025**	<5	<5	<5	<5	<0.005	<0.001	<1	<0.005	<100	<5	<0.005	<1	<5	<5	<1	<5
1243905	**WMFSW01**	**10 Jul 2025**	<5	<5	<5	<5	<0.005	<0.001	<1	<0.005	<100	<5	<0.005	<1	<5	<5	<1	<5
1243905	**WMFSW02**	**10 Jul 2025**	<5	<5	<5	<5	<0.005	<0.001	<1	<0.005	<100	<5	<0.005	<1	<5	<5	<1	<5
1243905	**WMFSW03**	**10 Jul 2025**	<5	<5	<5	<5	<0.005	<0.001	<1	<0.005	<100	<5	<0.005	<1	<5	<5	<1	<5

Table Notes:

[A]99% protection of species adopted to account for potential bioaccumulative effects

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Environmental Standards

ANZG, June 2025, ANZG Marine Water Toxicant DGVs LOSP 95% (June 2025)
Vic EPA, 2021, ERS 5.8 MWPs K, O, GB
2013, NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa
NHMRC, February 2008, NHMRC (2011) Guidelines for Managing Risk in Recreationa

			Inorganics										Metals								
			Reactive Phosphorus as P (Orthophosphate as P)	Nitrite + Nitrate as N	Ammonia as N	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Moisture Content (dried @ 103°C)	Organic Nitrogen as N	Total Phosphorous	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10 Fraction (F1)
			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
EQL			0.1	5	5	10	5	5	10	1	10	5	2	0.4	5	5	5	0.1	5	5	20
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV													20	1.5	80	65	50	0.15	21	200	
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<10	<5	<5	150	<5	<5	150	29	150	450	3.3	<0.4	6.2	<5	<5	<0.1	<5	<5	<20
1243905	**WMFSED02**	**10 Jul 2025**	<0.1	<5	<5	190	<5	<5	190	26	190	440	3.3	<0.4	5.8	<5	<5	<0.1	<5	<5	<20
1243905	**WMFSED03**	**10 Jul 2025**	<10	<5	<5	160	<5	<5	160	28	160	1,900	4.1	<0.4	5.7	<5	<5	<0.1	<5	<5	<20

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			TRH						TPH					BTEXN							
			C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 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)	Benzene	Toluene	Ethylbenzene	Naphthalene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene (VOC)
			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
EQL			20	50	50	100	100	100	20	20	50	50	50	0.1	0.1	0.1	0.5	0.2	0.1	0.3	0.5
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5
1243905	**WMFSED02**	**10 Jul 2025**	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5
1243905	**WMFSED03**	**10 Jul 2025**	<20	<50	<50	<100	<100	<100	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.5	<0.2	<0.1	<0.3	<0.5

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			PAH																	
			1-Chloronaphthalene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene
			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
EQL			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
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<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
1243905	**WMFSED02**	**10 Jul 2025**	<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
1243905	**WMFSED03**	**10 Jul 2025**	<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

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion
			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
EQL			0.5	0.5	0.5	0.5	0.5	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
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV							10														
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<0.5	0.6	1.2	<0.5	<0.5	<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
1243905	**WMFSED02**	**10 Jul 2025**	<0.5	0.6	1.2	<0.5	<0.5	<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
1243905	**WMFSED03**	**10 Jul 2025**	<0.5	0.6	1.2	<0.5	<0.5	<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

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			Organophosphorous Pesticides																	Pesti
			Ethoprop	Fenitrothion	Fensulfothion	Fenthion	EPN	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Parathion
			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
EQL			0.2	0.2	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
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<0.2	<0.2	<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
1243905	**WMFSED02**	**10 Jul 2025**	<0.2	<0.2	<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
1243905	**WMFSED03**	**10 Jul 2025**	<0.2	<0.2	<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

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			cides	Amino Aliphatics		Amino Aromatics			Anilines		Nitroaromatics			Other	SVOCs						
			Pirimiphos-methyl	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	1-naphthylamine	2-naphthylamine	Diphenylamine	2-nitroaniline	Aniline	2-Picoline	4-aminobiphenyl	Pentachloronitrobenzene	Acetophenone	3,3-Dichlorobenzidine	4-(dimethylamino) azobenzene	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran
			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
EQL			0.2	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<0.2	<0.5	<0.5	<1	<1	<0.5	<1	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905	**WMFSED02**	**10 Jul 2025**	<0.2	<0.5	<0.5	<1	<1	<0.5	<1	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905	**WMFSED03**	**10 Jul 2025**	<0.2	<0.5	<0.5	<1	<1	<0.5	<1	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

				Perfluoroalkyl Sulfonamides							MAH					PFAS					
			N-nitrosopiperidine	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)
			mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	ug/kg	µg/kg	ug/kg	µg/kg	µg/kg
EQL			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	0.1	0.1	0.5	0.5	0.5	0.1
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<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	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1
1243905	**WMFSED02**	**10 Jul 2025**	<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	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1
1243905	**WMFSED03**	**10 Jul 2025**	<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	<0.1	<0.1	<0.5	<0.5	<0.5	0.1

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			Perfluoroalkane Carboxylic Acids									Perfluoroalkane Sulfonic Acids							(n:2) Fluorotelomer Sulfonic A		
			Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)
			µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
EQL			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																	3				
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
1243905	**WMFSED02**	**10 Jul 2025**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
1243905	**WMFSED03**	**10 Jul 2025**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			cids	Phenols																
			10:2 Fluorotelomer sulfonic acid (10:2 FTS)	3&4-Methylphenol (m&p-cresol)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Tetrachlorophenols
			µg/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
EQL			0.1	0.4	0.5	1	1	0.5	0.5	5	0.5	0.5	0.2	1	5	20	1	5	0.5	1	10
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<0.1	<0.4	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10
1243905	**WMFSED02**	**10 Jul 2025**	<0.1	<0.4	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10
1243905	**WMFSED03**	**10 Jul 2025**	<0.1	<0.4	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<20	<1	<5	<0.5	<1	<10

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

													Organochlorine Pesticides							
		Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate
		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
EQL		0.5	1	20	0.1	0.1	0.05	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
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV												0.0045					0.0028			
PFAS NEMP 2025 Ecological indirect exposure - all land uses																				
Lab Report Number	**Field ID**	**Date**																		
1243905	**WMFSED01**	**10 Jul 2025**	<0.5	<1	<20	<0.1	<0.1	<0.05	<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
1243905	**WMFSED02**	**10 Jul 2025**	<0.5	<1	<20	<0.1	<0.1	<0.05	<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
1243905	**WMFSED03**	**10 Jul 2025**	<0.5	<1	<20	<0.1	<0.1	<0.05	<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

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Other chlorinated hydrocarbons EPAVic	Chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane
			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
EQL			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV			0.0027			0.0009															
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905	**WMFSED02**	**10 Jul 2025**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905	**WMFSED03**	**10 Jul 2025**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			Chlorinated Hydrocarbons																	
			1,3-dichloropropane	Benzyl chloride	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene
			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
EQL			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	1	0.5	0.5	0.5
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																					
PFAS NEMP 2025 Ecological indirect exposure - all land uses																					
Lab Report Number	**Field ID**	**Date**																			
1243905	**WMFSED01**	**10 Jul 2025**	<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	<1	<0.5	<0.5	<0.5
1243905	**WMFSED02**	**10 Jul 2025**	<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	<1	<0.5	<0.5	<0.5
1243905	**WMFSED03**	**10 Jul 2025**	<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	<1	<0.5	<0.5	<0.5

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

				Halogenated Benzenes														Explc	
				trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3,5-Tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3,5-Trichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	2,4-Dinitrotoluene	2,6-dinitrotoluene
				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
EQL				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	0.05	0.5	0.2	1
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV																						
PFAS NEMP 2025 Ecological indirect exposure - all land uses																						
Lab Report Number	**Field ID**	**Date**																				
1243905	**WMFSED01**	**10 Jul 2025**		<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	<0.05	<0.5	<0.2	<1
1243905	**WMFSED02**	**10 Jul 2025**		<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	<0.05	<0.5	<0.2	<1
1243905	**WMFSED03**	**10 Jul 2025**		<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	<0.05	<0.5	<0.2	<1

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

	sives		PCBs								Phthalates						Solvents		
	2,4-& 2,6-Dinitrotoluene	Nitrobenzene	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone
	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
EQL	0.2	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV										0.034									
PFAS NEMP 2025 Ecological indirect exposure - all land uses																			
Lab Report Number **Field ID** **Date**																			
1243905 WMFSED01 10 Jul 2025	<1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905 WMFSED02 10 Jul 2025	<1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905 WMFSED03 10 Jul 2025	<1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

			VOCs	Herbicides			Halogenated Hydrocarbons				
	Allyl chloride	Carbon disulfide	Dibenz(a.j)acridine	Dinoseb	Pronamide	Trifluralin	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.5	0.5	20	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ANZG Toxicant Default Guideline Values for Sediment Quality - DGV											
PFAS NEMP 2025 Ecological indirect exposure - all land uses											

Lab Report Number	Field ID	Date										
1243905	WMFSED01	10 Jul 2025	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905	WMFSED02	10 Jul 2025	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1243905	WMFSED03	10 Jul 2025	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Environmental Standards

ANZG, ANZG Toxicant Default Guideline Values for Sediment Quality - DGV

		Date	22 Oct 2024	22 Oct 2024		22 Oct 2024	22 Oct 2024		23 Oct 2024
		Field ID	TP27/0.1	QA1		TP27/0.1	QA1A		TP16/0.1
		Lab Report Number	1153612	1153612		1153612	SE273243		1153612
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL							
Metals									
Arsenic	mg/kg	1	4.5	2.3	65	4.5	4	12	3.5
Cadmium	mg/kg	0.3	<0.4	<0.4	0	<0.4	<0.3	0	<0.4
Chromium (III+VI)	mg/kg	0.5	14	9.0	43	14	11	24	45
Copper	mg/kg	0.5	12	7.7	44	12	12	0	44
Lead	mg/kg	1	5.1	<5	2	5.1	5	2	13
Mercury	mg/kg	0.05	<0.1	<0.1	0	<0.1	<0.05	0	<0.1
Nickel	mg/kg	0.5	23	17	30	23	25	8	62
Zinc	mg/kg	2	42	24	55	42	38	10	120
TRH									
C6-C10 Fraction (F1)	mg/kg	10	<20	<20	0	<20	<25	0	<20
C6-C10 (F1 minus BTEX)	mg/kg	10	<20	<20	0	<20	<25	0	<20
>C10-C16 Fraction (F2)	mg/kg	25	<50	<50	0	<50	<25	0	<50
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	25	<50	<50	0	<50	<25	0	<50
>C16-C34 Fraction (F3)	mg/kg	90	<100	<100	0	<100	<90	0	<100
>C34-C40 Fraction (F4)	mg/kg	100	<100	<100	0	<100	<120	0	<100
>C10-C40 Fraction (Sum)	mg/kg	50	<100	<100	0	<100	<210	0	<100
TPH									
C37-C40 Fraction	µg/kg	100,000	-	-	-	-	<100,000	-	-
C6-C9 Fraction	mg/kg	10	<20	<20	0	<20	<20	0	<20
C10-C14 Fraction	mg/kg	20	<20	<20	0	<20	<20	0	<20
C15-C28 Fraction	mg/kg	45	<50	<50	0	<50	<45	0	<50
C29-C36 Fraction	mg/kg	45	94	<50	61	94	<45	71	<50
C10-C36 Fraction (Sum)	mg/kg	50	94	<50	61	94	<110	0	<50
BTEXN									
Benzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
Naphthalene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
Xylene (o)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
Xylene Total	mg/kg	0.3	<0.3	<0.3	0	<0.3	<0.3	0	<0.3
Naphthalene (VOC)	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Total BTEX	mg/kg	0.2	-	-	-	-	<0.6	-	-
PAH									
Benzo(b+j+k)fluoranthene	mg/kg	1	-	-	-	-	-	-	-
1-Chloronaphthalene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1-Methylnaphthalene	mg/kg	0.1	-	-	-	-	<0.1	-	-
2-chloronaphthalene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
2-methylnaphthalene	mg/kg	0.1	<0.5	-	-	<0.5	<0.1	0	<0.5
3-methylcholanthrene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
7,12-dimethylbenz(a)anthracene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Acenaphthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Acenaphthylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Benz(a)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Benzo(a) pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Benzo(b+j)fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Benzo(g,h,i)perylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Benzo(k)fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Chrysene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Dibenz(a,h)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Fluorene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Phenanthrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0	<0.5
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.2	0.6	0.6	0	0.6	<0.2	100	0.6
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.3	1.2	1.2	0	1.2	<0.3	120	1.2
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.2	<0.5	<0.5	0	<0.5	<0.2	0	<0.5
PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.8	0	<0.5
PAHs (Sum of positives)	mg/kg	0.8	-	-	-	-	<0.8	-	-
Organophosphorous Pesticides									
Tokuthion	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Azinophos methyl	mg/kg	0.05	<0.2	<0.5	0	<0.2	<0.2	0	<0.2
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Bromophos-ethyl	mg/kg	0.05	-	-	-	-	<0.2	-	-
Carbophenothion	mg/kg	0.05	-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.05	<0.2	<0.5	0	<0.2	-	-	<0.2
Chlorpyrifos	mg/kg	0.05	<0.2	<0.5	0	<0.2	<0.2	0	<0.2
Chlorpyrifos-methyl	mg/kg	0.05	<0.2	<0.5	0	<0.2	-	-	<0.2
Coumaphos	mg/kg	2	<2	<5	0	<2	-	-	<2
Demeton-O	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Demeton-S	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Diazinon	mg/kg	0.05	<0.2	<0.5	0	<0.2	<0.5	0	<0.2
Dichlorvos	mg/kg	0.05	<0.2	<0.5	0	<0.2	<0.5	0	<0.2
Dimethoate	mg/kg	0.05	<0.2	<0.5	0	<0.2	<0.5	0	<0.2
Disulfoton	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Ethion	mg/kg	0.05	<0.2	<0.5	0	<0.2	<0.2	0	<0.2
Ethoprop	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Fenitrothion	mg/kg	0.2	<0.2	<0.5	0	<0.2	<0.2	0	<0.2
Fensulfothion	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Fenthion	mg/kg	0.05	<0.2	<0.5	0	<0.2	-	-	<0.2
EPN	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Malathion	mg/kg	0.05	<0.2	<0.5	0	<0.2	<0.2	0	<0.2
Merphos	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Methidathion	mg/kg	0.5	-	-	-	-	<0.5	-	-
Methyl parathion	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Mevinphos (Phosdrin)	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Monocrotophos	mg/kg	0.2	<2	<5	0	<2	-	-	<2
Naled (Dibrom)	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Omethoate	mg/kg	2	<2	<5	0	<2	-	-	<2
Phorate	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Prothiofos	mg/kg	0.05	-	-	-	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Ronnel	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Terbufos	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2
Trichloronate	mg/kg	0.2	<0.2	<0.5	0	<0.2	-	-	<0.2

			Date	22 Oct 2024	22 Oct 2024		22 Oct 2024	22 Oct 2024		23 Oct 2024
			Field ID	TP27/0.1	QA1		TP27/0.1	QA1A		TP16/0.1
			Lab Report Number	1153612	1153612		1153612	SE273243		1153612
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL								
Tetrachlorvinphos	mg/kg	0.2		<0.2	<0.5	0	<0.2	-	-	<0.2
Pesticides										
Chlorobenzilate	mg/kg	0.5		-	-	-	-	-	-	-
Carbazole	mg/kg	0.5		-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05		-	-	-	-	-	-	-
Fenamiphos	mg/kg	0.05		-	-	-	-	-	-	-
Mirex	mg/kg	0.1		-	-	-	-	<0.1	-	-
Parathion	mg/kg	0.2		<0.2	<0.5	0	<0.2	<0.2	0	<0.2
Pirimiphos-methyl	mg/kg	0.2		<0.2	<0.5	0	<0.2	-	-	<0.2
Pirimphos-ethyl	mg/kg	0.05		-	-	-	-	-	-	-
Amino Aliphatics										
N-nitrosodiethylamine	mg/kg	0.5		-	-	-	-	-	-	-
N-nitrosodi-n-butylamine	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
N-nitrosodi-n-propylamine	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
N-Nitrosomethylethylamine	mg/kg	0.5		-	-	-	-	-	-	-
Amino Aromatics										
1-naphthylamine	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
2-naphthylamine	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Diphenylamine	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
N-Nitrosodiphenyl & Diphenylamine	mg/kg	1		-	-	-	-	-	-	-
Anilines										
2-nitroaniline	mg/kg	1		<1	-	-	<1	-	-	<1
3-nitroaniline	mg/kg	1		-	-	-	-	-	-	-
4-chloroaniline	mg/kg	0.5		-	-	-	-	-	-	-
4-nitroaniline	mg/kg	0.5		-	-	-	-	-	-	-
2-methyl-5-nitroaniline	mg/kg	0.5		-	-	-	-	-	-	-
Aniline	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Biological										
E. Coli	orgs/g	1		-	-	-	-	-	-	SEE ATTACHED
Thermotolerant Coliforms	MPN/G	1		-	-	-	-	-	-	SEE ATTACHED
NA										
Sum of enHealth PFAS (PFHxS+PFOS+PFOA)	µg/kg	5		-	-	-	-	<5	-	-
Sum of US EPA PFAS (PFOS+PFOA)	mg/kg	0.005		-	-	-	-	<0.005	-	-
Nitroaromatics										
2-Picoline	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
4-aminobiphenyl	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Pentachloronitrobenzene	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Other										
Acetophenone	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
SVOCs										
2-(acetylamino) fluorene	mg/kg	0.5		-	-	-	-	-	-	-
3,3-Dichlorobenzidine	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
4-(dimethylamino) azobenzene	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
4-bromophenyl phenyl ether	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
4-chlorophenyl phenyl ether	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
4-Nitroquinoline-N-oxide	mg/kg	0.5		-	-	-	-	-	-	-
Azobenzene	mg/kg	1		-	-	-	-	-	-	-
Bis(2-chloroethoxy) methane	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Bis(2-chloroethyl)ether	mg/kg	0.5		-	-	-	-	-	-	-
Bis(2-chloroisopropyl) ether	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Dibenzofuran	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Hexachloropropene	mg/kg	0.5		-	-	-	-	-	-	-
Methapyrilene	mg/kg	0.5		-	-	-	-	-	-	-
N-nitrosomorpholine	mg/kg	0.5		-	-	-	-	-	-	-
N-nitrosopiperidine	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
N-nitrosopyrrolidine	mg/kg	1		-	-	-	-	-	-	-
Phenacetin	mg/kg	0.5		-	-	-	-	-	-	-
Perfluoroalkyl Sulfonamides										
Perfluorooctane sulfonamide (FOSA)	µg/kg	0.2		<5	<5	0	<5	<10	0	<5
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/kg	0.5		<5	<5	0	<5	<10	0	<5
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/kg	0.2		<10	<10	0	<10	<10	0	<10
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/kg	0.5		<5	<5	0	<5	<10	0	<5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/kg	0.5		<5	<5	0	<5	<10	0	<5
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/kg	0.2		<10	<10	0	<10	<10	0	<10
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/kg	0.5		<5	<5	0	<5	<10	0	<5
MAH										
Total MAH	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,2,4-trimethylbenzene	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,3,5-trimethylbenzene	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Isopropylbenzene	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
n-butylbenzene	mg/kg	0.5		-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5		-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5		-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5		-	-	-	-	-	-	-
Styrene	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
tert-butylbenzene	mg/kg	0.5		-	-	-	-	-	-	-
PFAS										
6:2 Fluorotelomer Sulfonate (6:2 FTS)	µg/kg	5		-	-	-	-	<5	-	-
Perfluorobutanesulfonate	µg/kg	5		-	-	-	-	<5	-	-
Perfluorononanesulfonic acid (PFNS)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Sum of PFHxS and PFOS	ug/kg	0.2		<5	<5	0	<5	<5	0	<5
Sum of PFAS	µg/kg	0.2		<50	<50	0	<50	-	-	<50
Sum of PFAS (PFOS + PFOA)	µg/kg	5		<5	<5	0	<5	-	-	<5
Sum of PFAS (WA DER List)	ug/kg	0.2		<10	<10	0	<10	-	-	<10
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	µg/kg	5		<5	<5	0	<5	-	-	<5
Perfluoroalkane Carboxylic Acids										
Perfluorobutanoic acid (PFBA)	µg/kg	1		<5	<5	0	<5	<5	0	<5

			Date	22 Oct 2024	22 Oct 2024		22 Oct 2024	22 Oct 2024		23 Oct 2024
			Field ID	TP27/0.1	QA1		TP27/0.1	QA1A		TP16/0.1
			Lab Report Number	1153612	1153612		1153612	SE273243		1153612
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL								
Perfluoropentanoic acid (PFPeA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorohexanoic acid (PFHxA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluoroheptanoic acid (PFHpA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorooctanoic acid (PFOA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorononanoic acid (PFNA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorodecanoic acid (PFDA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorododecanoic acid (PFDoDA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	0.5		<5	<5	0	<5	<5	0	<5
Perfluorotridecanoic acid (PFTrDA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluoroundecanoic acid (PFUnDA)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluoroalkane Sulfonic Acids										
Perfluorobutane sulfonic acid (PFBS)	µg/kg	0.2		<5	<5	0	<5	-	-	<5
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	0.5		<5	<5	0	<5	<5	0	<5
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorooctane sulfonic acid (PFOS)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Perfluorodecane sulfonic acid (PFDS)	µg/kg	0.2		<5	<5	0	<5	<5	0	<5
Phenols										
3&4-Methylphenol (m&p-cresol)	mg/kg	0.4		<0.4	-	-	<0.4	-	-	<0.4
2,3,4,6-Tetrachlorophenol	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
2,4,5-Trichlorophenol	mg/kg	0.5		<1	-	-	<1	-	-	<1
2,4,6-Trichlorophenol	mg/kg	0.5		<1	-	-	<1	-	-	<1
2,4-Dichlorophenol	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
2,4-Dimethylphenol	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
2,4-Dinitrophenol	mg/kg	5		<5	-	-	<5	-	-	<5
2,6-Dichlorophenol	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
2-Chlorophenol	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
2-Methylphenol	mg/kg	0.2		<0.2	-	-	<0.2	-	-	<0.2
2-Nitrophenol	mg/kg	0.5		<1	-	-	<1	-	-	<1
4,6-Dinitro-2-methylphenol	mg/kg	5		<5	-	-	<5	-	-	<5
4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20		-	-	-	-	-	-	-
4-chloro-3-methylphenol	mg/kg	0.5		<1	-	-	<1	-	-	<1
4-Nitrophenol	mg/kg	5		<5	-	-	<5	-	-	<5
Cresol Total	mg/kg	0.5		-	-	-	-	-	-	-
Pentachlorophenol	mg/kg	1		<1	-	-	<1	-	-	<1
Tetrachlorophenols	mg/kg	10		-	-	-	-	-	-	-
Phenol	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Phenols (Total Halogenated)	mg/kg	1		-	-	-	-	-	-	-
Phenols (Total Non Halogenated)	mg/kg	20		-	-	-	-	-	-	-
(n:2) Fluorotelomer Sulfonic Acids										
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	0.5		<5	<5	0	<5	<5	0	<5
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	0.5		<10	<10	0	<10	-	-	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	0.5		<5	<5	0	<5	<5	0	<5
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	0.5		<5	<5	0	<5	<5	0	<5
Organochlorine Pesticides										
Organochlorine pesticides EPAVic	mg/kg	0.1		<0.1	<1	0	<0.1	<1	0	<0.1
Other organochlorine pesticides EPAVic	mg/kg	0.1		<0.1	<1	0	<0.1	-	-	<0.1
4,4-DDE	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
a-BHC	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Aldrin	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Aldrin + Dieldrin	mg/kg	0.05		<0.05	<0.5	0	<0.05	-	-	<0.05
b-BHC	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Chlordane	mg/kg	0.05		<0.1	<1	0	<0.1	-	-	<0.1
Chlordane (cis)	mg/kg	0.05		-	-	-	-	<0.1	-	-
Chlordane (technical)	mg/kg	0.1		-	-	-	-	<0.1	-	-
Chlordane (trans)	mg/kg	0.05		-	-	-	-	-	-	-
d-BHC	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
DDD	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
DDT	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
DDT+DDE+DDD	mg/kg	0.05		<0.05	<0.5	0	<0.05	-	-	<0.05
Dieldrin	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.2	0	<0.05
Endosulfan	mg/kg	0.05		-	-	-	-	-	-	-
Endosulfan I	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.2	0	<0.05
Endosulfan II	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.2	0	<0.05
Endosulfan sulphate	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Endrin	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.2	0	<0.05
Endrin aldehyde	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Endrin ketone	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
g-BHC (Lindane)	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Heptachlor	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Heptachlor epoxide	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Methoxychlor	mg/kg	0.05		<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Toxaphene	mg/kg	0.5		<0.5	<10	0	<0.5	-	-	<0.5
Chlorinated Hydrocarbons										
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
Chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,1,1,2-tetrachloroethane	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,1,1-trichloroethane	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,1,2,2-tetrachloroethane	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,1,2-trichloroethane	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,1-dichloroethane	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5
1,1-dichloroethene	mg/kg	0.5		<0.5	-	-	<0.5	-	-	<0.5

		Date	22 Oct 2024	22 Oct 2024		22 Oct 2024	22 Oct 2024		23 Oct 2024
		Field ID	TP27/0.1	QA1		TP27/0.1	QA1A		TP16/0.1
		Lab Report Number	1153612	1153612		1153612	SE273243		1153612
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL							
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,2-dichloropropane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,3-dichloropropane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-
Benzyl chloride	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Bromochloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Bromodichloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Bromoform	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Carbon tetrachloride	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Chlorodibromomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Chloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Chloroform	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Chloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Dibromomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Dichloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Hexachlorobutadiene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Hexachlorocyclopentadiene	mg/kg	1	<1	-	-	<1	-	-	<1
Hexachloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Trichloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Tetrachloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Vinyl chloride	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Halogenated Benzenes									
1,2,3,4-tetrachlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,2,3-trichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,2,4,5-tetrachlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,2,4-trichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,2-dichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,3,5-Trichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,3-dichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
1,4-dichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Bromobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Chlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.5	0	<0.05	<0.1	0	<0.05
Pentachlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Explosives									
1,3,5-Trinitrobenzene	mg/kg	0.5	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	<0.5	-	-	<0.5	-	-	<0.5
2,6-dinitrotoluene	mg/kg	1	<1	-	-	<1	-	-	<1
2,4-& 2,6-Dinitrotoluene	mg/kg	0.2	-	-	-	-	-	-	-
Nitrobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
PCBs									
Arochlor 1016	mg/kg	0.1	<0.1	<1	0	<0.1	<0.2	0	<0.1
Arochlor 1221	mg/kg	0.1	<0.1	<1	0	<0.1	<0.2	0	<0.1
Arochlor 1232	mg/kg	0.1	<0.1	<1	0	<0.1	<0.2	0	<0.1
Arochlor 1242	mg/kg	0.1	<0.1	<1	0	<0.1	<0.2	0	<0.1
Arochlor 1248	mg/kg	0.1	<0.1	<1	0	<0.1	<0.2	0	<0.1
Arochlor 1254	mg/kg	0.1	<0.1	<1	0	<0.1	<0.2	0	<0.1
Arochlor 1260	mg/kg	0.1	<0.1	<1	0	<0.1	<0.2	0	<0.1
Arochlor 1268	mg/kg	0.2	-	-	-	-	<0.2	-	-
Aroclor 1262	mg/kg	0.2	-	-	-	-	<0.2	-	-
PCBs (Sum of total)	mg/kg	0.1	<0.1	<1	0	<0.1	<1	0	<0.1
Phthalates									
Bis(2-ethylhexyl) phthalate	mg/kg	5	<5	-	-	<5	-	-	<5
Butyl benzyl phthalate	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Diethylphthalate	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Dimethyl phthalate	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Di-n-butyl phthalate	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Di-n-octyl phthalate	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Solvents									
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
2-hexanone (MBK)	mg/kg	5	-	-	-	-	-	-	-
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Acetone	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Allyl chloride	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Carbon disulfide	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Isophorone	mg/kg	0.5	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	5	-	-	-	-	-	-	-
VOCs									
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-
Dibenz(a.j)acridine	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Pentachloroethane	mg/kg	0.5	-	-	-	-	-	-	-
Herbicides									
Dinoseb	mg/kg	20	-	-	-	-	-	-	-
Pronamide	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Trifluralin	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Halogenated Hydrocarbons									
1,2-dibromoethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Bromomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Dichlorodifluoromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Iodomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5
Trichlorofluoromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-	<0.5

***RPDs have only been considered where a concentration is greater than 1 times the EQL.**

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 999 (1 - 5 x EQL); 999 (5 - 10 x EQL); 50 (> 10 x EQL))**

*****Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory**

			Date	23 Oct 2024		23 Oct 2024	22 Oct 2024		30 Jun 2025	30 Jun 2025	
			Field ID	QA2		TP16/0.1	QA2A		BH09_0.1	QA02	
			Lab Report Number	1153612		1153612	SE273243		1240933	1240933	
			Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
Metals											
Arsenic	mg/kg	1		3.6	3	3.5	3	15	4.9	4.1	18
Cadmium	mg/kg	0.3		0.4	0	<0.4	0.3	0	<0.4	<0.4	0
Chromium (III+VI)	mg/kg	0.5		49	9	45	34	28	12	16	29
Copper	mg/kg	0.5		52	17	44	40	10	25	55	75
Lead	mg/kg	1		14	7	13	10	26	13	12	8
Mercury	mg/kg	0.05		<0.1	0	<0.1	<0.05	0	<0.1	<0.1	0
Nickel	mg/kg	0.5		65	5	62	46	30	14	25	56
Zinc	mg/kg	2		130	8	120	120	0	120	200	50
TRH											
C6-C10 Fraction (F1)	mg/kg	10		<20	0	<20	<25	0	<20	<20	0
C6-C10 (F1 minus BTEX)	mg/kg	10		<20	0	<20	<25	0	<20	<20	0
>C10-C16 Fraction (F2)	mg/kg	25		<50	0	<50	<25	0	<50	<50	0
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	25		<50	0	<50	<25	0	<50	<50	0
>C16-C34 Fraction (F3)	mg/kg	90		<100	0	<100	<90	0	<100	<100	0
>C34-C40 Fraction (F4)	mg/kg	100		<100	0	<100	<120	0	<100	<100	0
>C10-C40 Fraction (Sum)	mg/kg	50		<100	0	<100	<210	0	<100	<100	0
TPH											
C37-C40 Fraction	µg/kg	100,000		-	-	-	<100,000	-	-	-	-
C6-C9 Fraction	mg/kg	10		<20	0	<20	<20	0	<20	<20	0
C10-C14 Fraction	mg/kg	20		<20	0	<20	<20	0	<20	<20	0
C15-C28 Fraction	mg/kg	45		<50	0	<50	46	0	<50	<50	0
C29-C36 Fraction	mg/kg	45		<50	0	<50	60	18	<50	58	15
C10-C36 Fraction (Sum)	mg/kg	50		<50	0	<50	<110	0	<50	58	15
BTEXN											
Benzene	mg/kg	0.1		<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Toluene	mg/kg	0.1		<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Ethylbenzene	mg/kg	0.1		<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Naphthalene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Xylene (m & p)	mg/kg	0.2		<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0
Xylene (o)	mg/kg	0.1		<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Xylene Total	mg/kg	0.3		<0.3	0	<0.3	<0.3	0	<0.3	<0.3	0
Naphthalene (VOC)	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Total BTEX	mg/kg	0.2		-	-	-	<0.6	-	-	-	-
PAH											
Benzo(b+j+k)fluoranthene	mg/kg	1		-	-	-	-	-	-	-	-
1-Chloronaphthalene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1-Methylnaphthalene	mg/kg	0.1		-	-	-	<0.1	-	-	-	-
2-chloronaphthalene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
2-methylnaphthalene	mg/kg	0.1		-	-	<0.5	<0.1	0	-	-	-
3-methylcholanthrene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
7,12-dimethylbenz(a)anthracene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Acenaphthene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Acenaphthylene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Anthracene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Benz(a)anthracene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Benzo(a) pyrene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Benzo(b+j)fluoranthene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Benzo(g,h,i)perylene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Benzo(k)fluoranthene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Chrysene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Dibenz(a,h)anthracene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Fluoranthene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Fluorene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Phenanthrene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Pyrene	mg/kg	0.1		<0.5	0	<0.5	<0.1	0	<0.5	<0.5	0
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.2		0.6	0	0.6	<0.2	100	0.6	0.6	0
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.3		1.2	0	1.2	<0.3	120	1.2	1.2	0
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.2		<0.5	0	<0.5	<0.2	0	<0.5	<0.5	0
PAHs (Sum of total)	mg/kg	0.5		<0.5	0	<0.5	<0.8	0	<0.5	<0.5	0
PAHs (Sum of positives)	mg/kg	0.8		-	-	-	<0.8	-	-	-	-
Organophosphorous Pesticides											
Tokuthion	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Azinophos methyl	mg/kg	0.05		<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Bolstar (Sulprofos)	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Bromophos-ethyl	mg/kg	0.05		-	-	-	<0.2	-	-	-	-
Carbophenothion	mg/kg	0.05		-	-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.05		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Chlorpyrifos	mg/kg	0.05		<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Chlorpyrifos-methyl	mg/kg	0.05		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Coumaphos	mg/kg	2		<2	0	<2	-	-	<5	<5	0
Demeton-O	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Demeton-S	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Diazinon	mg/kg	0.05		<0.2	0	<0.2	<0.5	0	<0.5	<0.5	0
Dichlorvos	mg/kg	0.05		<0.2	0	<0.2	<0.5	0	<0.5	<0.5	0
Dimethoate	mg/kg	0.05		<0.2	0	<0.2	<0.5	0	<0.5	<0.5	0
Disulfoton	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Ethion	mg/kg	0.05		<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Ethoprop	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fenitrothion	mg/kg	0.2		<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Fensulfothion	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fenthion	mg/kg	0.05		<0.2	0	<0.2	-	-	<0.5	<0.5	0
EPN	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Malathion	mg/kg	0.05		<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Merphos	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Methidathion	mg/kg	0.5		-	-	-	<0.5	-	-	-	-
Methyl parathion	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Mevinphos (Phosdrin)	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Monocrotophos	mg/kg	0.2		<2	0	<2	-	-	<5	<5	0
Naled (Dibrom)	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Omethoate	mg/kg	2		<2	0	<2	-	-	<5	<5	0
Phorate	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Prothiofos	mg/kg	0.05		-	-	-	-	-	-	-	-
Pyrazophos	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Ronnel	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Terbufos	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0
Trichloronate	mg/kg	0.2		<0.2	0	<0.2	-	-	<0.5	<0.5	0

		Date	23 Oct 2024		23 Oct 2024	22 Oct 2024		30 Jun 2025	30 Jun 2025	
		Field ID	QA2		TP16/0.1	QA2A		BH09_0.1	QA02	
		Lab Report Number	1153612		1153612	SE273243		1240933	1240933	
		Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL								
Tetrachlorvinphos	mg/kg	0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Pesticides										
Chlorobenzilate	mg/kg	0.5	-	-	-	-	-	-	-	-
Carbazole	mg/kg	0.5	-	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	-	-	-	-
Fenamiphos	mg/kg	0.05	-	-	-	-	-	-	-	-
Mirex	mg/kg	0.1	-	-	-	<0.1	-	-	-	-
Parathion	mg/kg	0.2	<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Pirimiphos-methyl	mg/kg	0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	-	-	-	-
Amino Aliphatics										
N-nitrosodiethylamine	mg/kg	0.5	-	-	-	-	-	-	-	-
N-nitrosodi-n-butylamine	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
N-nitrosodi-n-propylamine	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
N-Nitrosomethylethylamine	mg/kg	0.5	-	-	-	-	-	-	-	-
Amino Aromatics										
1-naphthylamine	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
2-naphthylamine	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Diphenylamine	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
N-Nitrosodiphenyl & Diphenylamine	mg/kg	1	-	-	-	-	-	-	-	-
Anilines										
2-nitroaniline	mg/kg	1	-	-	<1	-	-	-	-	-
3-nitroaniline	mg/kg	1	-	-	-	-	-	-	-	-
4-chloroaniline	mg/kg	0.5	-	-	-	-	-	-	-	-
4-nitroaniline	mg/kg	0.5	-	-	-	-	-	-	-	-
2-methyl-5-nitroaniline	mg/kg	0.5	-	-	-	-	-	-	-	-
Aniline	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Biological										
E. Coli	orgs/g	1	-	-	SEE ATTACHED	-	-	-	-	-
Thermotolerant Coliforms	MPN/G	1	-	-	SEE ATTACHED	-	-	-	-	-
NA										
Sum of enHealth PFAS (PFHxS+PFOS+PFOA)	µg/kg	5	-	-	-	<5	-	-	-	-
Sum of US EPA PFAS (PFOS+PFOA)	mg/kg	0.005	-	-	-	<0.005	-	-	-	-
Nitroaromatics										
2-Picoline	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
4-aminobiphenyl	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Pentachloronitrobenzene	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Other										
Acetophenone	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
SVOCs										
2-(acetylamino) fluorene	mg/kg	0.5	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
4-(dimethylamino) azobenzene	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
4-bromophenyl phenyl ether	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
4-chlorophenyl phenyl ether	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
4-Nitroquinoline-N-oxide	mg/kg	0.5	-	-	-	-	-	-	-	-
Azobenzene	mg/kg	1	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy) methane	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.5	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl) ether	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Dibenzofuran	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Hexachloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-
Methapyrilene	mg/kg	0.5	-	-	-	-	-	-	-	-
N-nitrosomorpholine	mg/kg	0.5	-	-	-	-	-	-	-	-
N-nitrosopiperidine	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
N-nitrosopyrrolidine	mg/kg	1	-	-	-	-	-	-	-	-
Phenacetin	mg/kg	0.5	-	-	-	-	-	-	-	-
Perfluoroalkyl Sulfonamides										
Perfluorooctane sulfonamide (FOSA)	µg/kg	0.2	<5	0	<5	<10	0	<5	<5	0
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/kg	0.5	<5	0	<5	<10	0	<5	<5	0
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/kg	0.2	<10	0	<10	<10	0	<10	<10	0
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/kg	0.5	<5	0	<5	<10	0	<5	<5	0
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/kg	0.5	<5	0	<5	<10	0	<5	<5	0
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/kg	0.2	<10	0	<10	<10	0	<10	<10	0
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/kg	0.5	<5	0	<5	<10	0	<5	<5	0
MAH										
Total MAH	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Isopropylbenzene	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-
Styrene	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-
PFAS										
6:2 Fluorotelomer Sulfonate (6:2 FTS)	µg/kg	5	-	-	-	<5	-	-	-	-
Perfluorobutanesulfonate	µg/kg	5	-	-	-	<5	-	-	-	-
Perfluorononanesulfonic acid (PFNS)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Sum of PFHxS and PFOS	ug/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Sum of PFAS	µg/kg	0.2	<50	0	<50	-	-	<50	<50	0
Sum of PFAS (PFOS + PFOA)	µg/kg	5	<5	0	<5	-	-	<5	<5	0
Sum of PFAS (WA DER List)	ug/kg	0.2	<10	0	<10	-	-	<10	<10	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	µg/kg	5	<5	0	<5	-	-	<5	<5	0
Perfluoroalkane Carboxylic Acids										
Perfluorobutanoic acid (PFBA)	µg/kg	1	<5	0	<5	<5	0	<5	<5	0

		Date	23 Oct 2024		23 Oct 2024	22 Oct 2024		30 Jun 2025	30 Jun 2025	
		Field ID	QA2		TP16/0.1	QA2A		BH09_0.1	QA02	
		Lab Report Number	1153612		1153612	SE273243		1240933	1240933	
		Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL								
Perfluoropentanoic acid (PFPeA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorohexanoic acid (PFHxA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluoroheptanoic acid (PFHpA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorooctanoic acid (PFOA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorononanoic acid (PFNA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorodecanoic acid (PFDA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorododecanoic acid (PFDoDA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	0.5	<5	0	<5	<5	0	<5	<5	0
Perfluorotridecanoic acid (PFTrDA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluoroundecanoic acid (PFUnDA)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluoroalkane Sulfonic Acids										
Perfluorobutane sulfonic acid (PFBS)	µg/kg	0.2	<5	0	<5	-	-	<5	<5	0
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	0.5	<5	0	<5	<5	0	<5	<5	0
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorooctane sulfonic acid (PFOS)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Perfluorodecane sulfonic acid (PFDS)	µg/kg	0.2	<5	0	<5	<5	0	<5	<5	0
Phenols										
3&4-Methylphenol (m&p-cresol)	mg/kg	0.4	-	-	<0.4	-	-	<0.4	<0.4	0
2,3,4,6-Tetrachlorophenol	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.5	-	-	<1	-	-	<1	<1	0
2,4,6-Trichlorophenol	mg/kg	0.5	-	-	<1	-	-	<1	<1	0
2,4-Dichlorophenol	mg/kg	0.5	-	-	<0.5	-	-	<0.5	<0.5	0
2,4-Dimethylphenol	mg/kg	0.5	-	-	<0.5	-	-	0.5	<0.5	0
2,4-Dinitrophenol	mg/kg	5	-	-	<5	-	-	<5	<5	0
2,6-Dichlorophenol	mg/kg	0.5	-	-	<0.5	-	-	<0.5	<0.5	0
2-Chlorophenol	mg/kg	0.5	-	-	<0.5	-	-	<0.5	<0.5	0
2-Methylphenol	mg/kg	0.2	-	-	<0.2	-	-	<0.2	<0.2	0
2-Nitrophenol	mg/kg	0.5	-	-	<1	-	-	<1	<1	0
4,6-Dinitro-2-methylphenol	mg/kg	5	-	-	<5	-	-	<5	<5	0
4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20	-	-	-	-	-	<20	<20	0
4-chloro-3-methylphenol	mg/kg	0.5	-	-	<1	-	-	<1	<1	0
4-Nitrophenol	mg/kg	5	-	-	<5	-	-	<5	<5	0
Cresol Total	mg/kg	0.5	-	-	-	-	-	<0.5	<0.5	0
Pentachlorophenol	mg/kg	1	-	-	<1	-	-	<1	<1	0
Tetrachlorophenols	mg/kg	10	-	-	-	-	-	<10	<10	0
Phenol	mg/kg	0.5	-	-	<0.5	-	-	<0.5	<0.5	0
Phenols (Total Halogenated)	mg/kg	1	-	-	-	-	-	<1	<1	0
Phenols (Total Non Halogenated)	mg/kg	20	-	-	-	-	-	<20	<20	0
(n:2) Fluorotelomer Sulfonic Acids										
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	0.5	<5	0	<5	<5	0	<5	<5	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	0.5	<10	0	<10	-	-	<10	<10	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	0.5	<5	0	<5	<5	0	<5	<5	0
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	0.5	<5	0	<5	<5	0	<5	<5	0
Organochlorine Pesticides										
Organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	0	<0.1	<1	0	<1	<1	0
Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	0	<0.1	-	-	<1	<1	0
4,4-DDE	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
a-BHC	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Aldrin	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Aldrin + Dieldrin	mg/kg	0.05	<0.05	0	<0.05	-	-	<0.5	<0.5	0
b-BHC	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Chlordane	mg/kg	0.05	<0.1	0	<0.1	-	-	<1	<1	0
Chlordane (cis)	mg/kg	0.05	-	-	-	<0.1	-	-	-	-
Chlordane (technical)	mg/kg	0.1	-	-	-	<0.1	-	-	-	-
Chlordane (trans)	mg/kg	0.05	-	-	-	-	-	-	-	-
d-BHC	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
DDD	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
DDT	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
DDT+DDE+DDD	mg/kg	0.05	<0.05	0	<0.05	-	-	<0.5	<0.5	0
Dieldrin	mg/kg	0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0
Endosulfan	mg/kg	0.05	-	-	-	-	-	-	-	-
Endosulfan I	mg/kg	0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0
Endosulfan II	mg/kg	0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0
Endosulfan sulphate	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Endrin	mg/kg	0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0
Endrin aldehyde	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Endrin ketone	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
g-BHC (Lindane)	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Heptachlor	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Heptachlor epoxide	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Methoxychlor	mg/kg	0.05	<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Toxaphene	mg/kg	0.5	<0.5	0	<0.5	-	-	<10	<10	0
Chlorinated Hydrocarbons										
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,1,1-trichloroethane	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,1,2-trichloroethane	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,1-dichloroethane	mg/kg	0.5	-	-	<0.5	-	-	-	-	-
1,1-dichloroethene	mg/kg	0.5	-	-	<0.5	-	-	-	-	-

			Date	23 Oct 2024		23 Oct 2024	22 Oct 2024		30 Jun 2025	30 Jun 2025	
			Field ID	QA2		TP16/0.1	QA2A		BH09_0.1	QA02	
			Lab Report Number	1153612		1153612	SE273243		1240933	1240933	
			Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
1,1-dichloropropene	mg/kg	0.5		-	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.5		-	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,2-dichloropropane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,3-dichloropropane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
2,2-dichloropropane	mg/kg	0.5		-	-	-	-	-	-	-	-
Benzyl chloride	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Bromochloromethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Bromodichloromethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Bromoform	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Chlorodibromomethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Chloroethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Chloroform	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Chloromethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
cis-1,2-dichloroethene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
cis-1,3-dichloropropene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Dibromomethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Dichloromethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	1		-	-	<1	-	-	-	-	-
Hexachloroethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Trichloroethene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Tetrachloroethene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
trans-1,2-dichloroethene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
trans-1,3-dichloropropene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Vinyl chloride	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Halogenated Benzenes											
1,2,3,4-tetrachlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,2,3-trichlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,2,4,5-tetrachlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,3,5-Trichlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,3-dichlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
1,4-dichlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
2-chlorotoluene	mg/kg	0.5		-	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Bromobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Chlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.05		<0.05	0	<0.05	<0.1	0	<0.5	<0.5	0
Pentachlorobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Explosives											
1,3,5-Trinitrobenzene	mg/kg	0.5		-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2		-	-	<0.5	-	-	-	-	-
2,6-dinitrotoluene	mg/kg	1		-	-	<1	-	-	-	-	-
2,4-& 2,6-Dinitrotoluene	mg/kg	0.2		-	-	-	-	-	-	-	-
Nitrobenzene	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
PCBs											
Arochlor 1016	mg/kg	0.1		<0.1	0	<0.1	<0.2	0	<1	<1	0
Arochlor 1221	mg/kg	0.1		<0.1	0	<0.1	<0.2	0	<1	<1	0
Arochlor 1232	mg/kg	0.1		<0.1	0	<0.1	<0.2	0	<1	<1	0
Arochlor 1242	mg/kg	0.1		<0.1	0	<0.1	<0.2	0	<1	<1	0
Arochlor 1248	mg/kg	0.1		<0.1	0	<0.1	<0.2	0	<1	<1	0
Arochlor 1254	mg/kg	0.1		<0.1	0	<0.1	<0.2	0	<1	<1	0
Arochlor 1260	mg/kg	0.1		<0.1	0	<0.1	<0.2	0	<1	<1	0
Arochlor 1268	mg/kg	0.2		-	-	-	<0.2	-	-	-	-
Aroclor 1262	mg/kg	0.2		-	-	-	<0.2	-	-	-	-
PCBs (Sum of total)	mg/kg	0.1		<0.1	0	<0.1	<1	0	<1	<1	0
Phthalates											
Bis(2-ethylhexyl) phthalate	mg/kg	5		-	-	<5	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Diethylphthalate	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Dimethyl phthalate	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Di-n-butyl phthalate	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Di-n-octyl phthalate	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Solvents											
Methyl Ethyl Ketone	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
2-hexanone (MBK)	mg/kg	5		-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Acetone	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Allyl chloride	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Carbon disulfide	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Isophorone	mg/kg	0.5		-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	5		-	-	-	-	-	-	-	-
VOCs											
cis-1,4-Dichloro-2-butene	mg/kg	0.5		-	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5		-	-	-	-	-	-	-	-
Dibenz(a.j)acridine	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Pentachloroethane	mg/kg	0.5		-	-	-	-	-	-	-	-
Herbicides											
Dinoseb	mg/kg	20		-	-	-	-	-	<20	<20	0
Pronamide	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Trifluralin	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Halogenated Hydrocarbons											
1,2-dibromoethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Bromomethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Iodomethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.5		-	-	<0.5	-	-	-	-	-

***RPDs have only been considered where a concentration is greater than 1 times t**

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs fo**

*****Interlab Duplicates are matched on a per compound basis as methods vary be**

		Date	30 Jun 2025	30 Jun 2025		30 Jun 2025	30 Jun 2025		30 Jun 2025
		Field ID	BH09_0.1	QA02a		BH10_0.1	QA01		BH10_0.1
		Lab Report Number	1240933	ES2520523		1240933	1240933		1240933
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL							
Metals									
Arsenic	mg/kg	1	4.9	<5	0	5.8	7.4	24	5.8
Cadmium	mg/kg	0.3	<0.4	<1	0	<0.4	<0.4	0	<0.4
Chromium (III+VI)	mg/kg	0.5	12	<2	143	12	17	34	12
Copper	mg/kg	0.5	25	<5	133	15	17	12	15
Lead	mg/kg	1	13	<5	89	18	21	15	18
Mercury	mg/kg	0.05	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
Nickel	mg/kg	0.5	14	<2	150	15	17	12	15
Zinc	mg/kg	2	120	<5	184	140	90	43	140
TRH									
C6-C10 Fraction (F1)	mg/kg	10	<20	<10	0	<20	<20	0	<20
C6-C10 (F1 minus BTEX)	mg/kg	10	<20	<10	0	<20	<20	0	<20
>C10-C16 Fraction (F2)	mg/kg	25	<50	<50	0	<50	<50	0	<50
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	25	<50	<50	0	<50	<50	0	<50
>C16-C34 Fraction (F3)	mg/kg	90	<100	<100	0	<100	<100	0	<100
>C34-C40 Fraction (F4)	mg/kg	100	<100	<100	0	<100	<100	0	<100
>C10-C40 Fraction (Sum)	mg/kg	50	<100	<50	0	<100	<100	0	<100
TPH									
C37-C40 Fraction	µg/kg	100,000	-	-	-	-	-	-	-
C6-C9 Fraction	mg/kg	10	<20	<10	0	<20	<20	0	<20
C10-C14 Fraction	mg/kg	20	<20	<50	0	<20	<20	0	<20
C15-C28 Fraction	mg/kg	45	<50	<100	0	<50	<50	0	<50
C29-C36 Fraction	mg/kg	45	<50	<100	0	<50	51	2	<50
C10-C36 Fraction (Sum)	mg/kg	50	<50	<50	0	<50	51	2	<50
BTEXN									
Benzene	mg/kg	0.1	<0.1	<0.2	0	<0.1	<0.1	0	<0.1
Toluene	mg/kg	0.1	<0.1	<0.5	0	<0.1	<0.1	0	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.5	0	<0.1	<0.1	0	<0.1
Naphthalene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Xylene (m & p)	mg/kg	0.2	<0.2	<0.5	0	<0.2	<0.2	0	<0.2
Xylene (o)	mg/kg	0.1	<0.1	<0.5	0	<0.1	<0.1	0	<0.1
Xylene Total	mg/kg	0.3	<0.3	<0.5	0	<0.3	<0.3	0	<0.3
Naphthalene (VOC)	mg/kg	0.1	<0.5	<1	0	<0.5	<0.5	0	<0.5
Total BTEX	mg/kg	0.2	-	<0.2	-	-	-	-	-
PAH									
Benzo(b+j+k)fluoranthene	mg/kg	1	-	-	-	-	-	-	-
1-Chloronaphthalene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1-Methylnaphthalene	mg/kg	0.1	-	-	-	-	-	-	-
2-chloronaphthalene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
2-methylnaphthalene	mg/kg	0.1	-	-	-	<0.5	<0.5	0	<0.5
3-methylcholanthrene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
7,12-dimethylbenz(a)anthracene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Acenaphthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Acenaphthylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Benz(a)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Benzo(a) pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Benzo(b+j)fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Benzo(g,h,i)perylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Benzo(k)fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Chrysene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Dibenz(a,h)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Fluorene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Phenanthrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.2	0.6	0.6	0	0.6	0.6	0	0.6
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.3	1.2	1.2	0	1.2	1.2	0	1.2
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.2	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
PAHs (Sum of positives)	mg/kg	0.8	-	-	-	-	-	-	-
Organophosphorous Pesticides									
Tokuthion	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Azinophos methyl	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Bolstar (Sulprofos)	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Bromophos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-
Carbophenothion	mg/kg	0.05	-	<0.05	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Chlorpyrifos	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Chlorpyrifos-methyl	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Coumaphos	mg/kg	2	<5	-	-	<5	<5	0	<5
Demeton-O	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Demeton-S	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Diazinon	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Dichlorvos	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Dimethoate	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Disulfoton	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Ethion	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Ethoprop	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Fenitrothion	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Fensulfothion	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Fenthion	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
EPN	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Malathion	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Merphos	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Methidathion	mg/kg	0.5	-	-	-	-	-	-	-
Methyl parathion	mg/kg	0.2	<0.5	<0.2	0	<0.5	<0.5	0	<0.5
Mevinphos (Phosdrin)	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Monocrotophos	mg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Naled (Dibrom)	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Omethoate	mg/kg	2	<5	-	-	<5	<5	0	<5
Phorate	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Prothiofos	mg/kg	0.05	-	<0.05	-	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Ronnel	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Terbufos	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Trichloronate	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5

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		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL							
Tetrachlorvinphos	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Pesticides									
Chlorobenzilate	mg/kg	0.5	-	-	-	-	-	-	-
Carbazole	mg/kg	0.5	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	<0.05	-	-	-	-	-
Fenamiphos	mg/kg	0.05	-	<0.05	-	-	-	-	-
Mirex	mg/kg	0.1	-	-	-	-	-	-	-
Parathion	mg/kg	0.2	<0.5	<0.2	0	<0.5	<0.5	0	<0.5
Pirimiphos-methyl	mg/kg	0.2	<0.5	-	-	<0.5	<0.5	0	<0.5
Pirimphos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-
Amino Aliphatics									
N-nitrosodiethylamine	mg/kg	0.5	-	-	-	-	-	-	-
N-nitrosodi-n-butylamine	mg/kg	0.5	-	-	-	<1	<1	0	<1
N-nitrosodi-n-propylamine	mg/kg	0.5	-	-	-	<1	<1	0	<1
N-Nitrosomethylethylamine	mg/kg	0.5	-	-	-	-	-	-	-
Amino Aromatics									
1-naphthylamine	mg/kg	0.5	-	-	-	<1	<1	0	<1
2-naphthylamine	mg/kg	0.5	-	-	-	<1	<1	0	<1
Diphenylamine	mg/kg	0.5	-	-	-	<1	<1	0	<1
N-Nitrosodiphenyl & Diphenylamine	mg/kg	1	-	-	-	-	-	-	-
Anilines									
2-nitroaniline	mg/kg	1	-	-	-	<1	<1	0	<1
3-nitroaniline	mg/kg	1	-	-	-	-	-	-	-
4-chloroaniline	mg/kg	0.5	-	-	-	-	-	-	-
4-nitroaniline	mg/kg	0.5	-	-	-	-	-	-	-
2-methyl-5-nitroaniline	mg/kg	0.5	-	-	-	-	-	-	-
Aniline	mg/kg	0.5	-	-	-	<1	<1	0	<1
Biological									
E. Coli	orgs/g	1	-	-	-	-	-	-	-
Thermotolerant Coliforms	MPN/G	1	-	-	-	-	-	-	-
NA									
Sum of enHealth PFAS (PFHxS+PFOS+PFOA)	µg/kg	5	-	-	-	-	-	-	-
Sum of US EPA PFAS (PFOS+PFOA)	mg/kg	0.005	-	-	-	-	-	-	-
Nitroaromatics									
2-Picoline	mg/kg	0.5	-	-	-	<1	<1	0	<1
4-aminobiphenyl	mg/kg	0.5	-	-	-	<1	<1	0	<1
Pentachloronitrobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
Other									
Acetophenone	mg/kg	0.5	-	-	-	<1	<1	0	<1
SVOCs									
2-(acetylamino) fluorene	mg/kg	0.5	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	mg/kg	0.5	-	-	-	<1	<1	0	<1
4-(dimethylamino) azobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
4-bromophenyl phenyl ether	mg/kg	0.5	-	-	-	<1	<1	0	<1
4-chlorophenyl phenyl ether	mg/kg	0.5	-	-	-	<1	<1	0	<1
4-Nitroquinoline-N-oxide	mg/kg	0.5	-	-	-	-	-	-	-
Azobenzene	mg/kg	1	-	-	-	-	-	-	-
Bis(2-chloroethoxy) methane	mg/kg	0.5	-	-	-	<1	<1	0	<1
Bis(2-chloroethyl)ether	mg/kg	0.5	-	-	-	-	-	-	-
Bis(2-chloroisopropyl) ether	mg/kg	0.5	-	-	-	<1	<1	0	<1
Dibenzofuran	mg/kg	0.5	-	-	-	<1	<1	0	<1
Hexachloropropene	mg/kg	0.5	-	-	-	-	-	-	-
Methapyrilene	mg/kg	0.5	-	-	-	-	-	-	-
N-nitrosomorpholine	mg/kg	0.5	-	-	-	-	-	-	-
N-nitrosopiperidine	mg/kg	0.5	-	-	-	<1	<1	0	<1
N-nitrosopyrrolidine	mg/kg	1	-	-	-	-	-	-	-
Phenacetin	mg/kg	0.5	-	-	-	-	-	-	-
Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/kg	0.2	<10	<0.2	0	<10	<10	0	<10
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/kg	0.2	<10	<0.2	0	<10	<10	0	<10
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
MAH									
Total MAH	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Isopropylbenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-
Styrene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-
PFAS									
6:2 Fluorotelomer Sulfonate (6:2 FTS)	µg/kg	5	-	-	-	-	-	-	-
Perfluorobutanesulfonate	µg/kg	5	-	-	-	-	-	-	-
Perfluorononanesulfonic acid (PFNS)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Sum of PFHxS and PFOS	ug/kg	0.2	<5	1.4	0	20	21	5	20
Sum of PFAS	µg/kg	0.2	<50	9.3	0	<50	<50	0	<50
Sum of PFAS (PFOS + PFOA)	µg/kg	5	<5	-	-	20	21	5	20
Sum of PFAS (WA DER List)	ug/kg	0.2	<10	7.9	0	20	21	5	20
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	µg/kg	5	<5	-	-	20	21	5	20
Perfluoroalkane Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	µg/kg	1	<5	<1	0	<5	<5	0	<5

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		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL							
Perfluoropentanoic acid (PFPeA)	µg/kg	0.2	<5	1.6	0	<5	<5	0	<5
Perfluorohexanoic acid (PFHxA)	µg/kg	0.2	<5	2.2	0	<5	<5	0	<5
Perfluoroheptanoic acid (PFHpA)	µg/kg	0.2	<5	0.7	0	<5	<5	0	<5
Perfluorooctanoic acid (PFOA)	µg/kg	0.2	<5	2.0	0	<5	<5	0	<5
Perfluorononanoic acid (PFNA)	µg/kg	0.2	<5	0.4	0	<5	<5	0	<5
Perfluorodecanoic acid (PFDA)	µg/kg	0.2	<5	0.8	0	<5	<5	0	<5
Perfluorododecanoic acid (PFDoDA)	µg/kg	0.2	<5	0.2	0	<5	<5	0	<5
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
Perfluorotridecanoic acid (PFTrDA)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Perfluoroundecanoic acid (PFUnDA)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Perfluoroalkane Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Perfluorooctane sulfonic acid (PFOS)	µg/kg	0.2	<5	1.4	0	20	21	5	20
Perfluorodecane sulfonic acid (PFDS)	µg/kg	0.2	<5	<0.2	0	<5	<5	0	<5
Phenols									
3&4-Methylphenol (m&p-cresol)	mg/kg	0.4	<0.4	<1	0	<1	<1	0	<1
2,3,4,6-Tetrachlorophenol	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
2,4,5-Trichlorophenol	mg/kg	0.5	<1	<0.5	0	<1	<1	0	<1
2,4,6-Trichlorophenol	mg/kg	0.5	<1	<0.5	0	<1	<1	0	<1
2,4-Dichlorophenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
2,4-Dimethylphenol	mg/kg	0.5	0.5	<0.5	0	<0.5	<0.5	0	<0.5
2,4-Dinitrophenol	mg/kg	5	<5	-	-	<5	<5	0	<5
2,6-Dichlorophenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
2-Chlorophenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
2-Methylphenol	mg/kg	0.2	<0.2	<0.5	0	<0.5	<0.5	0	<0.5
2-Nitrophenol	mg/kg	0.5	<1	<0.5	0	<1	<1	0	<1
4,6-Dinitro-2-methylphenol	mg/kg	5	<5	-	-	<5	<5	0	<5
4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20	<20	-	-	<20	<20	0	<20
4-chloro-3-methylphenol	mg/kg	0.5	<1	<0.5	0	<1	<1	0	<1
4-Nitrophenol	mg/kg	5	<5	-	-	<5	<5	0	<5
Cresol Total	mg/kg	0.5	<0.5	-	-	<1	<1	0	<1
Pentachlorophenol	mg/kg	1	<1	<2	0	<1	<1	0	<1
Tetrachlorophenols	mg/kg	10	<10	-	-	<10	<10	0	<10
Phenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
Phenols (Total Halogenated)	mg/kg	1	<1	-	-	<1	<1	0	<1
Phenols (Total Non Halogenated)	mg/kg	20	<20	-	-	<20	<20	0	<20
(n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	0.5	<10	<0.5	0	<10	<10	0	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	0.5	<5	<0.5	0	<5	<5	0	<5
Organochlorine Pesticides									
Organochlorine pesticides EPAVic	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Other organochlorine pesticides EPAVic	mg/kg	0.1	<1	-	-	<1	<1	0	<1
4,4-DDE	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
a-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Aldrin	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Aldrin + Dieldrin	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
b-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Chlordane	mg/kg	0.05	<1	<0.05	0	<1	<1	0	<1
Chlordane (cis)	mg/kg	0.05	-	<0.05	-	-	-	-	-
Chlordane (technical)	mg/kg	0.1	-	-	-	-	-	-	-
Chlordane (trans)	mg/kg	0.05	-	<0.05	-	-	-	-	-
d-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
DDD	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
DDT	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.5	0	<0.5
DDT+DDE+DDD	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Dieldrin	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Endosulfan	mg/kg	0.05	-	<0.05	-	-	-	-	-
Endosulfan I	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Endosulfan II	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Endosulfan sulphate	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Endrin	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Endrin aldehyde	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Endrin ketone	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
g-BHC (Lindane)	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Heptachlor	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Heptachlor epoxide	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Methoxychlor	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.5	0	<0.5
Toxaphene	mg/kg	0.5	<10	-	-	<10	<10	0	<10
Chlorinated Hydrocarbons									
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,1,1,2-tetrachloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,1,1-trichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,1,2,2-tetrachloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,1,2-trichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,1-dichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,1-dichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5

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	Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil
	Unit	EQL						
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,2-dichloropropane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,3-dichloropropane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-
Benzyl chloride	mg/kg	0.5	-	-	-	<1	<1	0	<1
Bromochloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Bromodichloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Bromoform	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Carbon tetrachloride	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Chlorodibromomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Chloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Chloroform	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Chloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
cis-1,2-dichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
cis-1,3-dichloropropene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Dibromomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Dichloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Hexachlorobutadiene	mg/kg	0.5	-	-	-	<1	<1	0	<1
Hexachlorocyclopentadiene	mg/kg	1	-	-	-	<1	<1	0	<1
Hexachloroethane	mg/kg	0.5	-	-	-	<1	<1	0	<1
Trichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Tetrachloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
trans-1,2-dichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
trans-1,3-dichloropropene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Vinyl chloride	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Halogenated Benzenes									
1,2,3,4-tetrachlorobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
1,2,4,5-tetrachlorobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
1,2-dichlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,3,5-Trichlorobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
1,3-dichlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
1,4-dichlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Bromobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Chlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Hexachlorobenzene	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.5	0	<0.5
Pentachlorobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
Explosives									
1,3,5-Trinitrobenzene	mg/kg	0.5	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	-	-	-	<1	<1	0	<1
2,6-dinitrotoluene	mg/kg	1	-	-	-	<1	<1	0	<1
2,4-& 2,6-Dinitrotoluene	mg/kg	0.2	-	-	-	<1	<1	0	<1
Nitrobenzene	mg/kg	0.5	-	-	-	<1	<1	0	<1
PCBs									
Arochlor 1016	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Arochlor 1221	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Arochlor 1232	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Arochlor 1242	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Arochlor 1248	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Arochlor 1254	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Arochlor 1260	mg/kg	0.1	<1	-	-	<1	<1	0	<1
Arochlor 1268	mg/kg	0.2	-	-	-	-	-	-	-
Aroclor 1262	mg/kg	0.2	-	-	-	-	-	-	-
PCBs (Sum of total)	mg/kg	0.1	<1	<0.1	0	<1	<1	0	<1
Phthalates									
Bis(2-ethylhexyl) phthalate	mg/kg	5	-	-	-	<5	<5	0	<5
Butyl benzyl phthalate	mg/kg	0.5	-	-	-	<1	<1	0	<1
Diethylphthalate	mg/kg	0.5	-	-	-	<1	<1	0	<1
Dimethyl phthalate	mg/kg	0.5	-	-	-	<1	<1	0	<1
Di-n-butyl phthalate	mg/kg	0.5	-	-	-	<1	<1	0	<1
Di-n-octyl phthalate	mg/kg	0.5	-	-	-	<1	<1	0	<1
Solvents									
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
2-hexanone (MBK)	mg/kg	5	-	-	-	-	-	-	-
4-Methyl-2-pentanone	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Acetone	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Allyl chloride	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Carbon disulfide	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Isophorone	mg/kg	0.5	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	5	-	-	-	-	-	-	-
VOCs									
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-
Dibenz(a.j)acridine	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Pentachloroethane	mg/kg	0.5	-	-	-	-	-	-	-
Herbicides									
Dinoseb	mg/kg	20	<20	-	-	<20	<20	0	<20
Pronamide	mg/kg	0.5	-	-	-	<1	<1	0	<1
Trifluralin	mg/kg	0.5	-	-	-	<1	<1	0	<1
Halogenated Hydrocarbons									
1,2-dibromoethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Bromomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Dichlorodifluoromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Iodomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5
Trichlorofluoromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5

***RPDs have only been considered where a concentration is greater than 1 times t**
****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs fo**
*****Interlab Duplicates are matched on a per compound basis as methods vary be**

			Date	30 Jun 2025		02 Jul 2025	02 Jul 2025		02 Jul 2025	02 Jul 2025	
			Field ID	QA01a		BH02_0.1	QA03		BH02_0.1	QA03a	
			Lab Report Number	ES2520523		1240933	1240933		1240933	ES2520523	
			Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
Metals											
Arsenic	mg/kg	1		9	43	9.3	<2	129	9.3	<5	60
Cadmium	mg/kg	0.3		<1	0	<0.4	<0.4	0	<0.4	<1	0
Chromium (III+VI)	mg/kg	0.5		17	34	15	5.4	94	15	4	116
Copper	mg/kg	0.5		22	38	7.9	<5	45	7.9	6	27
Lead	mg/kg	1		19	5	6.1	<5	20	6.1	<5	20
Mercury	mg/kg	0.05		<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Nickel	mg/kg	0.5		19	24	24	6.1	119	24	5	131
Zinc	mg/kg	2		86	48	46	39	16	46	39	16
TRH											
C6-C10 Fraction (F1)	mg/kg	10		<10	0	<20	<20	0	<20	<10	0
C6-C10 (F1 minus BTEX)	mg/kg	10		<10	0	<20	<20	0	<20	<10	0
>C10-C16 Fraction (F2)	mg/kg	25		<50	0	<50	<50	0	<50	<50	0
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	25		<50	0	<50	<50	0	<50	<50	0
>C16-C34 Fraction (F3)	mg/kg	90		<100	0	<100	<100	0	<100	<100	0
>C34-C40 Fraction (F4)	mg/kg	100		<100	0	<100	<100	0	<100	<100	0
>C10-C40 Fraction (Sum)	mg/kg	50		<50	0	<100	<100	0	<100	<50	0
TPH											
C37-C40 Fraction	µg/kg	100,000		-	-	-	-	-	-	-	-
C6-C9 Fraction	mg/kg	10		<10	0	<20	<20	0	<20	<10	0
C10-C14 Fraction	mg/kg	20		<50	0	<20	<20	0	<20	<50	0
C15-C28 Fraction	mg/kg	45		<100	0	<50	<50	0	<50	<100	0
C29-C36 Fraction	mg/kg	45		<100	0	60	<50	18	60	<100	0
C10-C36 Fraction (Sum)	mg/kg	50		<50	0	60	<50	18	60	<50	18
BTEXN											
Benzene	mg/kg	0.1		<0.2	0	<0.1	<0.1	0	<0.1	<0.2	0
Toluene	mg/kg	0.1		<0.5	0	<0.1	<0.1	0	<0.1	<0.5	0
Ethylbenzene	mg/kg	0.1		<0.5	0	<0.1	<0.1	0	<0.1	<0.5	0
Naphthalene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Xylene (m & p)	mg/kg	0.2		<0.5	0	<0.2	<0.2	0	<0.2	<0.5	0
Xylene (o)	mg/kg	0.1		<0.5	0	<0.1	<0.1	0	<0.1	<0.5	0
Xylene Total	mg/kg	0.3		<0.5	0	<0.3	<0.3	0	<0.3	<0.5	0
Naphthalene (VOC)	mg/kg	0.1		<1	0	<0.5	<0.5	0	<0.5	<1	0
Total BTEX	mg/kg	0.2		<0.2	-	-	-	-	-	<0.2	-
PAH											
Benzo(b+j+k)fluoranthene	mg/kg	1		<1	-	-	-	-	-	-	-
1-Chloronaphthalene	mg/kg	0.5		-	-	-	-	-	-	-	-
1-Methylnaphthalene	mg/kg	0.1		-	-	-	-	-	-	-	-
2-chloronaphthalene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
2-methylnaphthalene	mg/kg	0.1		<0.5	0	-	-	-	-	-	-
3-methylcholanthrene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
7,12-dimethylbenz(a)anthracene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Acenaphthene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Acenaphthylene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Anthracene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Benz(a)anthracene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a) pyrene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(b+j)fluoranthene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(g,h,i)perylene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(k)fluoranthene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Chrysene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Dibenz(a,h)anthracene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Fluoranthene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Fluorene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Phenanthrene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Pyrene	mg/kg	0.1		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.2		0.6	0	0.6	0.6	0	0.6	0.6	0
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.3		1.2	0	1.2	1.2	0	1.2	1.2	0
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.2		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
PAHs (Sum of total)	mg/kg	0.5		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
PAHs (Sum of positives)	mg/kg	0.8		-	-	-	-	-	-	-	-
Organophosphorous Pesticides											
Tokuthion	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Azinophos methyl	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Bolstar (Sulprofos)	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Bromophos-ethyl	mg/kg	0.05		<0.05	-	-	-	-	-	<0.05	-
Carbophenothion	mg/kg	0.05		<0.05	-	-	-	-	-	<0.05	-
Chlorfenvinphos	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Chlorpyrifos	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Chlorpyrifos-methyl	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Coumaphos	mg/kg	2		-	-	<5	<2	0	<5	-	-
Demeton-O	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Demeton-S	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Diazinon	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Dichlorvos	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Dimethoate	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Disulfoton	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Ethion	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Ethoprop	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Fenitrothion	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Fensulfothion	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Fenthion	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
EPN	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Malathion	mg/kg	0.05		<0.05	0	<0.5	<0.2	0	<0.5	<0.05	0
Merphos	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Methidathion	mg/kg	0.5		-	-	-	-	-	-	-	-
Methyl parathion	mg/kg	0.2		<0.2	0	<0.5	<0.2	0	<0.5	<0.2	0
Mevinphos (Phosdrin)	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Monocrotophos	mg/kg	0.2		<0.2	0	<5	<2	0	<5	<0.2	0
Naled (Dibrom)	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Omethoate	mg/kg	2		-	-	<5	<2	0	<5	-	-
Phorate	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Prothiofos	mg/kg	0.05		<0.05	-	-	-	-	-	<0.05	-
Pyrazophos	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Ronnel	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Terbufos	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-
Trichloronate	mg/kg	0.2		-	-	<0.5	<0.2	0	<0.5	-	-

			Date	30 Jun 2025		02 Jul 2025	02 Jul 2025		02 Jul 2025	02 Jul 2025	
			Field ID	QA01a		BH02_0.1	QA03		BH02_0.1	QA03a	
			Lab Report Number	ES2520523		1240933	1240933		1240933	ES2520523	
			Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
Tetrachlorvinphos	mg/kg	0.2	-	-	<0.5	<0.2	0	<0.5	-	-
Pesticides											
Chlorobenzilate	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Carbazole	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	<0.05	-	-	-	-	-	<0.05	-
Fenamiphos	mg/kg	0.05	<0.05	-	-	-	-	-	<0.05	-
Mirex	mg/kg	0.1	-	-	-	-	-	-	-	-
Parathion	mg/kg	0.2	<0.2	0	<0.5	<0.2	0	<0.5	<0.2	0
Pirimiphos-methyl	mg/kg	0.2	-	-	<0.5	<0.2	0	<0.5	-	-
Pirimphos-ethyl	mg/kg	0.05	<0.05	-	-	-	-	-	<0.05	-
Amino Aliphatics											
N-nitrosodiethylamine	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
N-nitrosodi-n-butylamine	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
N-nitrosodi-n-propylamine	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
N-Nitrosomethylethylamine	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Amino Aromatics											
1-naphthylamine	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
2-naphthylamine	mg/kg	0.5	-	-	-	-	-	-	-	-
Diphenylamine	mg/kg	0.5	-	-	-	-	-	-	-	-
N-Nitrosodiphenyl & Diphenylamine	mg/kg	1	<1.0	-	-	-	-	-	-	-
Anilines											
2-nitroaniline	mg/kg	1	<1.0	0	-	-	-	-	-	-
3-nitroaniline	mg/kg	1	<1.0	-	-	-	-	-	-	-
4-chloroaniline	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
4-nitroaniline	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
2-methyl-5-nitroaniline	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Aniline	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
Biological											
E. Coli	orgs/g	1	-	-	-	-	-	-	-	-
Thermotolerant Coliforms	MPN/G	1	-	-	-	-	-	-	-	-
NA											
Sum of enHealth PFAS (PFHxS+PFOS+PFOA)	µg/kg	5	-	-	-	-	-	-	-	-
Sum of US EPA PFAS (PFOS+PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-
Nitroaromatics											
2-Picoline	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
4-aminobiphenyl	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
Pentachloronitrobenzene	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
Other											
Acetophenone	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
SVOCs											
2-(acetylamino) fluorene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
4-(dimethylamino) azobenzene	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
4-bromophenyl phenyl ether	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
4-chlorophenyl phenyl ether	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
4-Nitroquinoline-N-oxide	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Azobenzene	mg/kg	1	<1	-	-	-	-	-	-	-
Bis(2-chloroethoxy) methane	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Bis(2-chloroisopropyl) ether	mg/kg	0.5	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
Hexachloropropene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Methapyrilene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
N-nitrosomorpholine	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
N-nitrosopiperidine	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
N-nitrosopyrrolidine	mg/kg	1	<1.0	-	-	-	-	-	-	-
Phenacetin	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Perfluoroalkyl Sulfonamides											
Perfluorooctane sulfonamide (FOSA)	µg/kg	0.2	<0.2	0	<5	<5	0	<5	<0.2	0
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/kg	0.5	<0.5	0	<5	<5	0	<5	<0.5	0
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/kg	0.2	<0.2	0	<10	<10	0	<10	<0.2	0
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/kg	0.5	<0.5	0	<5	<5	0	<5	<0.5	0
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/kg	0.5	<0.5	0	<5	<5	0	<5	<0.5	0
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/kg	0.2	<0.2	0	<10	<10	0	<10	<0.2	0
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/kg	0.5	<0.5	0	<5	<5	0	<5	<0.5	0
MAH											
Total MAH	mg/kg	0.5	-	-	-	-	-	-	-	-
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
Isopropylbenzene	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
n-butylbenzene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
Styrene	mg/kg	0.5	<0.5	0	-	-	-	-	-	-
tert-butylbenzene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-
PFAS											
6:2 Fluorotelomer Sulfonate (6:2 FTS)	µg/kg	5	-	-	-	-	-	-	-	-
Perfluorobutanesulfonate	µg/kg	5	-	-	-	-	-	-	-	-
Perfluorononanesulfonic acid (PFNS)	µg/kg	0.2	0.6	0	<5	<5	0	<5	<0.2	0
Sum of PFHxS and PFOS	ug/kg	0.2	35.0	55	<5	<5	0	<5	<0.2	0
Sum of PFAS	µg/kg	0.2	41.5	0	<50	<50	0	<50	<0.2	0
Sum of PFAS (PFOS + PFOA)	µg/kg	5	-	-	<5	<5	0	<5	-	-
Sum of PFAS (WA DER List)	ug/kg	0.2	39.0	64	<10	<10	0	<10	<0.2	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	µg/kg	5	-	-	<5	<5	0	<5	-	-
Perfluoroalkane Carboxylic Acids											
Perfluorobutanoic acid (PFBA)	µg/kg	1	<1	0	<5	<5	0	<5	<1	0

			Date	30 Jun 2025		02 Jul 2025	02 Jul 2025		02 Jul 2025	02 Jul 2025	
			Field ID	QA01a		BH02_0.1	QA03		BH02_0.1	QA03a	
			Lab Report Number	ES2520523		1240933	1240933		1240933	ES2520523	
			Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
Perfluoropentanoic acid (PFPeA)	µg/kg	0.2		0.7	0	<5	<5	0	<5	<0.2	0
Perfluorohexanoic acid (PFHxA)	µg/kg	0.2		1.3	0	<5	<5	0	<5	<0.2	0
Perfluoroheptanoic acid (PFHpA)	µg/kg	0.2		0.3	0	<5	<5	0	<5	<0.2	0
Perfluorooctanoic acid (PFOA)	µg/kg	0.2		1.3	0	<5	<5	0	<5	<0.2	0
Perfluorononanoic acid (PFNA)	µg/kg	0.2		<0.2	0	<5	<5	0	<5	<0.2	0
Perfluorodecanoic acid (PFDA)	µg/kg	0.2		0.5	0	<5	<5	0	<5	<0.2	0
Perfluorododecanoic acid (PFDoDA)	µg/kg	0.2		0.2	0	<5	<5	0	<5	<0.2	0
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	0.5		<0.5	0	<5	<5	0	<5	<0.5	0
Perfluorotridecanoic acid (PFTrDA)	µg/kg	0.2		<0.2	0	<5	<5	0	<5	<0.2	0
Perfluoroundecanoic acid (PFUnDA)	µg/kg	0.2		<0.2	0	<5	<5	0	<5	<0.2	0
Perfluoroalkane Sulfonic Acids											
Perfluorobutane sulfonic acid (PFBS)	µg/kg	0.2		0.4	0	<5	<5	0	<5	<0.2	0
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	0.2		0.4	0	<5	<5	0	<5	<0.2	0
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	0.5		<0.5	0	<5	<5	0	<5	<0.5	0
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	0.2		2.4	0	<5	<5	0	<5	<0.2	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	0.2		0.4	0	<5	<5	0	<5	<0.2	0
Perfluorooctane sulfonic acid (PFOS)	µg/kg	0.2		32.6	48	<5	<5	0	<5	<0.2	0
Perfluorodecane sulfonic acid (PFDS)	µg/kg	0.2		0.4	0	<5	<5	0	<5	<0.2	0
Phenols											
3&4-Methylphenol (m&p-cresol)	mg/kg	0.4		<0.5	0	<0.4	<0.4	0	<0.4	<1	0
2,3,4,6-Tetrachlorophenol	mg/kg	0.5		-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.5		<0.5	0	<1	<1	0	<1	<0.5	0
2,4,6-Trichlorophenol	mg/kg	0.5		<0.5	0	<1	<1	0	<1	<0.5	0
2,4-Dichlorophenol	mg/kg	0.5		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
2,4-Dimethylphenol	mg/kg	0.5		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
2,4-Dinitrophenol	mg/kg	5		-	-	<5	<5	0	<5	-	-
2,6-Dichlorophenol	mg/kg	0.5		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
2-Chlorophenol	mg/kg	0.5		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
2-Methylphenol	mg/kg	0.2		<0.5	0	<0.2	<0.2	0	<0.2	<0.5	0
2-Nitrophenol	mg/kg	0.5		<0.5	0	<1	<1	0	<1	<0.5	0
4,6-Dinitro-2-methylphenol	mg/kg	5		-	-	<5	<5	0	<5	-	-
4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20		-	-	<20	<20	0	<20	-	-
4-chloro-3-methylphenol	mg/kg	0.5		<0.5	0	<1	<1	0	<1	<0.5	0
4-Nitrophenol	mg/kg	5		-	-	<5	<5	0	<5	-	-
Cresol Total	mg/kg	0.5		-	-	<0.5	<0.5	0	<0.5	-	-
Pentachlorophenol	mg/kg	1		<1	0	<1	<1	0	<1	<2	0
Tetrachlorophenols	mg/kg	10		-	-	<10	<10	0	<10	-	-
Phenol	mg/kg	0.5		<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Phenols (Total Halogenated)	mg/kg	1		-	-	<1	<1	0	<1	-	-
Phenols (Total Non Halogenated)	mg/kg	20		-	-	<20	<20	0	<20	-	-
(n:2) Fluorotelomer Sulfonic Acids											
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	0.5		<0.5	0	<5	<5	0	<5	<0.5	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	0.5		<0.5	0	<10	<10	0	<10	<0.5	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	0.5		<0.5	0	<5	<5	0	<5	<0.5	0
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	0.5		<0.5	0	<5	<5	0	<5	<0.5	0
Organochlorine Pesticides											
Organochlorine pesticides EPAVic	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Other organochlorine pesticides EPAVic	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
4,4-DDE	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
a-BHC	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Aldrin	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Aldrin + Dieldrin	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
b-BHC	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Chlordane	mg/kg	0.05		<0.05	0	<1	<0.1	0	<1	<0.05	0
Chlordane (cis)	mg/kg	0.05		<0.05	-	-	-	-	-	<0.05	-
Chlordane (technical)	mg/kg	0.1		-	-	-	-	-	-	-	-
Chlordane (trans)	mg/kg	0.05		<0.05	-	-	-	-	-	<0.05	-
d-BHC	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
DDD	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
DDT	mg/kg	0.05		<0.2	0	<0.5	<0.05	0	<0.5	<0.2	0
DDT+DDE+DDD	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Dieldrin	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Endosulfan	mg/kg	0.05		<0.05	-	-	-	-	-	<0.05	-
Endosulfan I	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Endosulfan II	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Endosulfan sulphate	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Endrin	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Endrin aldehyde	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Endrin ketone	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
g-BHC (Lindane)	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Heptachlor	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Heptachlor epoxide	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Methoxychlor	mg/kg	0.05		<0.2	0	<0.5	<0.05	0	<0.5	<0.2	0
Toxaphene	mg/kg	0.5		-	-	<10	<0.5	0	<10	-	-
Chlorinated Hydrocarbons											
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5		-	-	-	-	-	-	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5		-	-	-	-	-	-	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,1,1-trichloroethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,1,2-trichloroethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,1-dichloroethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,1-dichloroethene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-

			Date	30 Jun 2025		02 Jul 2025	02 Jul 2025		02 Jul 2025	02 Jul 2025	
			Field ID	QA01a		BH02_0.1	QA03		BH02_0.1	QA03a	
			Lab Report Number	ES2520523		1240933	1240933		1240933	ES2520523	
			Matrix Type	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
1,1-dichloropropene	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,2-dichloropropane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,3-dichloropropane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
2,2-dichloropropane	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
Benzyl chloride	mg/kg	0.5		-	-	-	-	-	-	-	-
Bromochloromethane	mg/kg	0.5		-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Bromoform	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Chlorodibromomethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Chloroethane	mg/kg	0.5		<5	0	-	-	-	-	-	-
Chloroform	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Chloromethane	mg/kg	0.5		<5	0	-	-	-	-	-	-
cis-1,2-dichloroethene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
cis-1,3-dichloropropene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Dibromomethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Dichloromethane	mg/kg	0.5		-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	1		<2.5	0	-	-	-	-	-	-
Hexachloroethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Trichloroethene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
trans-1,2-dichloroethene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
trans-1,3-dichloropropene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Vinyl chloride	mg/kg	0.5		<5	0	-	-	-	-	-	-
Halogenated Benzenes											
1,2,3,4-tetrachlorobenzene	mg/kg	0.5		-	-	-	-	-	-	-	-
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5		-	-	-	-	-	-	-	-
1,2,3-trichlorobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,2,4,5-tetrachlorobenzene	mg/kg	0.5		-	-	-	-	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,3,5-Trichlorobenzene	mg/kg	0.5		-	-	-	-	-	-	-	-
1,3-dichlorobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
1,4-dichlorobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
2-chlorotoluene	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Bromobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.05		<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0
Pentachlorobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Explosives											
1,3,5-Trinitrobenzene	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2		<1.0	0	-	-	-	-	-	-
2,6-dinitrotoluene	mg/kg	1		<1.0	0	-	-	-	-	-	-
2,4-& 2,6-Dinitrotoluene	mg/kg	0.2		-	-	-	-	-	-	-	-
Nitrobenzene	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
PCBs											
Arochlor 1016	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Arochlor 1221	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Arochlor 1232	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Arochlor 1242	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Arochlor 1248	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Arochlor 1254	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Arochlor 1260	mg/kg	0.1		-	-	<1	<0.1	0	<1	-	-
Arochlor 1268	mg/kg	0.2		-	-	-	-	-	-	-	-
Aroclor 1262	mg/kg	0.2		-	-	-	-	-	-	-	-
PCBs (Sum of total)	mg/kg	0.1		<0.1	0	<1	<0.1	0	<1	<0.1	0
Phthalates											
Bis(2-ethylhexyl) phthalate	mg/kg	5		<5.0	0	-	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Diethylphthalate	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Dimethyl phthalate	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Di-n-butyl phthalate	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Di-n-octyl phthalate	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Solvents											
Methyl Ethyl Ketone	mg/kg	0.5		<5	0	-	-	-	-	-	-
2-hexanone (MBK)	mg/kg	5		<5	-	-	-	-	-	-	-
4-Methyl-2-pentanone	mg/kg	0.5		<5	0	-	-	-	-	-	-
Acetone	mg/kg	0.5		-	-	-	-	-	-	-	-
Allyl chloride	mg/kg	0.5		-	-	-	-	-	-	-	-
Carbon disulfide	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Isophorone	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	5		<5	-	-	-	-	-	-	-
VOCs											
cis-1,4-Dichloro-2-butene	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
Dibenz(a.j)acridine	mg/kg	0.5		-	-	-	-	-	-	-	-
Pentachloroethane	mg/kg	0.5		<0.5	-	-	-	-	-	-	-
Herbicides											
Dinoseb	mg/kg	20		-	-	<20	<20	0	<20	-	-
Pronamide	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Trifluralin	mg/kg	0.5		-	-	-	-	-	-	-	-
Halogenated Hydrocarbons											
1,2-dibromoethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Bromomethane	mg/kg	0.5		<5	0	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.5		<5	0	-	-	-	-	-	-
Iodomethane	mg/kg	0.5		<0.5	0	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.5		<5	0	-	-	-	-	-	-

***RPDs have only been considered where a concentration is greater than 1 times t**

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs fo**

*****Interlab Duplicates are matched on a per compound basis as methods vary be**

		Date	02 Jul 2025	02 Jul 2025		02 Jul 2025	02 Jul 2025	
		Field ID	BH03_0.1	QA04		BH03_0.1	QA04a	
		Lab Report Number	1240933	1240933		1240933	ES2520523	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL						
Metals								
Arsenic	mg/kg	1	5.4	4.9	10	5.4	<5	8
Cadmium	mg/kg	0.3	<0.4	<0.4	0	<0.4	<1	0
Chromium (III+VI)	mg/kg	0.5	14	8.1	53	14	8	55
Copper	mg/kg	0.5	9.0	7.2	22	9.0	9	0
Lead	mg/kg	1	6.3	6.2	2	6.3	8	24
Mercury	mg/kg	0.05	<0.1	<0.1	0	<0.1	<0.1	0
Nickel	mg/kg	0.5	20	12	50	20	8	86
Zinc	mg/kg	2	71	60	17	71	88	21
TRH								
C6-C10 Fraction (F1)	mg/kg	10	<20	<20	0	<20	<10	0
C6-C10 (F1 minus BTEX)	mg/kg	10	<20	<20	0	<20	<10	0
>C10-C16 Fraction (F2)	mg/kg	25	<50	<50	0	<50	<50	0
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	25	<50	<50	0	<50	<50	0
>C16-C34 Fraction (F3)	mg/kg	90	200	120	50	200	<100	67
>C34-C40 Fraction (F4)	mg/kg	100	340	150	78	340	<100	109
>C10-C40 Fraction (Sum)	mg/kg	50	540	270	67	540	<50	166
TPH								
C37-C40 Fraction	µg/kg	100,000	-	-	-	-	-	-
C6-C9 Fraction	mg/kg	10	<20	<20	0	<20	<10	0
C10-C14 Fraction	mg/kg	20	<20	<20	0	<20	<50	0
C15-C28 Fraction	mg/kg	45	<50	<50	0	<50	<100	0
C29-C36 Fraction	mg/kg	45	260	140	60	260	<100	89
C10-C36 Fraction (Sum)	mg/kg	50	260	140	60	260	<50	135
BTEXN								
Benzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.2	0
Toluene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Naphthalene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Xylene (o)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Xylene Total	mg/kg	0.3	<0.3	<0.3	0	<0.3	<0.5	0
Naphthalene (VOC)	mg/kg	0.1	<0.5	<0.5	0	<0.5	<1	0
Total BTEX	mg/kg	0.2	-	-	-	-	<0.2	-
PAH								
Benzo(b+j+k)fluoranthene	mg/kg	1	-	-	-	-	-	-
1-Chloronaphthalene	mg/kg	0.5	-	-	-	-	-	-
1-Methylnaphthalene	mg/kg	0.1	-	-	-	-	-	-
2-chloronaphthalene	mg/kg	0.5	-	-	-	-	-	-
2-methylnaphthalene	mg/kg	0.1	-	-	-	-	-	-
3-methylcholanthrene	mg/kg	0.5	-	-	-	-	-	-
7,12-dimethylbenz(a)anthracene	mg/kg	0.5	-	-	-	-	-	-
Acenaphthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Acenaphthylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Benz(a)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a) pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(b+j)fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(g,h,i)perylene	mg/kg	0.1	0.6	<0.5	18	0.6	<0.5	18
Benzo(k)fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Chrysene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Dibenz(a,h)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Fluoranthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Fluorene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Phenanthrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Pyrene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.2	0.6	0.6	0	0.6	0.6	0
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.3	1.2	1.2	0	1.2	1.2	0
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.2	<0.5	<0.5	0	<0.5	<0.5	0
PAHs (Sum of total)	mg/kg	0.5	0.6	<0.5	18	0.6	<0.5	18
PAHs (Sum of positives)	mg/kg	0.8	-	-	-	-	-	-
Organophosphorous Pesticides								
Tokuthion	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Azinophos methyl	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Bolstar (Sulprofos)	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Bromophos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-
Carbophenothion	mg/kg	0.05	-	-	-	-	<0.05	-
Chlorfenvinphos	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Chlorpyrifos	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Chlorpyrifos-methyl	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Coumaphos	mg/kg	2	<5	<2	0	<5	-	-
Demeton-O	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Demeton-S	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Diazinon	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Dichlorvos	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Dimethoate	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Disulfoton	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Ethion	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Ethoprop	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Fenitrothion	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Fensulfothion	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Fenthion	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
EPN	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Malathion	mg/kg	0.05	<0.5	<0.2	0	<0.5	<0.05	0
Merphos	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Methidathion	mg/kg	0.5	-	-	-	-	-	-
Methyl parathion	mg/kg	0.2	<0.5	<0.2	0	<0.5	<0.2	0
Mevinphos (Phosdrin)	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Monocrotophos	mg/kg	0.2	<5	<2	0	<5	<0.2	0
Naled (Dibrom)	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Omethoate	mg/kg	2	<5	<2	0	<5	-	-
Phorate	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Prothiofos	mg/kg	0.05	-	-	-	-	<0.05	-
Pyrazophos	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Ronnel	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Terbufos	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Trichloronate	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-

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		Field ID	BH03_0.1	QA04		BH03_0.1	QA04a	
		Lab Report Number	1240933	1240933		1240933	ES2520523	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL						
Tetrachlorvinphos	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Pesticides								
Chlorobenzilate	mg/kg	0.5	-	-	-	-	-	-
Carbazole	mg/kg	0.5	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	<0.05	-
Fenamiphos	mg/kg	0.05	-	-	-	-	<0.05	-
Mirex	mg/kg	0.1	-	-	-	-	-	-
Parathion	mg/kg	0.2	<0.5	<0.2	0	<0.5	<0.2	0
Pirimiphos-methyl	mg/kg	0.2	<0.5	<0.2	0	<0.5	-	-
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-
Amino Aliphatics								
N-nitrosodiethylamine	mg/kg	0.5	-	-	-	-	-	-
N-nitrosodi-n-butylamine	mg/kg	0.5	-	-	-	-	-	-
N-nitrosodi-n-propylamine	mg/kg	0.5	-	-	-	-	-	-
N-Nitrosomethylethylamine	mg/kg	0.5	-	-	-	-	-	-
Amino Aromatics								
1-naphthylamine	mg/kg	0.5	-	-	-	-	-	-
2-naphthylamine	mg/kg	0.5	-	-	-	-	-	-
Diphenylamine	mg/kg	0.5	-	-	-	-	-	-
N-Nitrosodiphenyl & Diphenylamine	mg/kg	1	-	-	-	-	-	-
Anilines								
2-nitroaniline	mg/kg	1	-	-	-	-	-	-
3-nitroaniline	mg/kg	1	-	-	-	-	-	-
4-chloroaniline	mg/kg	0.5	-	-	-	-	-	-
4-nitroaniline	mg/kg	0.5	-	-	-	-	-	-
2-methyl-5-nitroaniline	mg/kg	0.5	-	-	-	-	-	-
Aniline	mg/kg	0.5	-	-	-	-	-	-
Biological								
E. Coli	orgs/g	1	-	-	-	-	-	-
Thermotolerant Coliforms	MPN/G	1	-	-	-	-	-	-
NA								
Sum of enHealth PFAS (PFHxS+PFOS+PFOA)	µg/kg	5	-	-	-	-	-	-
Sum of US EPA PFAS (PFOS+PFOA)	mg/kg	0.005	-	-	-	-	-	-
Nitroaromatics								
2-Picoline	mg/kg	0.5	-	-	-	-	-	-
4-aminobiphenyl	mg/kg	0.5	-	-	-	-	-	-
Pentachloronitrobenzene	mg/kg	0.5	-	-	-	-	-	-
Other								
Acetophenone	mg/kg	0.5	-	-	-	-	-	-
SVOCs								
2-(acetylamino) fluorene	mg/kg	0.5	-	-	-	-	-	-
3,3-Dichlorobenzidine	mg/kg	0.5	-	-	-	-	-	-
4-(dimethylamino) azobenzene	mg/kg	0.5	-	-	-	-	-	-
4-bromophenyl phenyl ether	mg/kg	0.5	-	-	-	-	-	-
4-chlorophenyl phenyl ether	mg/kg	0.5	-	-	-	-	-	-
4-Nitroquinoline-N-oxide	mg/kg	0.5	-	-	-	-	-	-
Azobenzene	mg/kg	1	-	-	-	-	-	-
Bis(2-chloroethoxy) methane	mg/kg	0.5	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.5	-	-	-	-	-	-
Bis(2-chloroisopropyl) ether	mg/kg	0.5	-	-	-	-	-	-
Dibenzofuran	mg/kg	0.5	-	-	-	-	-	-
Hexachloropropene	mg/kg	0.5	-	-	-	-	-	-
Methapyrilene	mg/kg	0.5	-	-	-	-	-	-
N-nitrosomorpholine	mg/kg	0.5	-	-	-	-	-	-
N-nitrosopiperidine	mg/kg	0.5	-	-	-	-	-	-
N-nitrosopyrrolidine	mg/kg	1	-	-	-	-	-	-
Phenacetin	mg/kg	0.5	-	-	-	-	-	-
Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	µg/kg	0.2	<5	<5	0	<5	<0.2	0
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/kg	0.5	<5	<5	0	<5	<0.5	0
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/kg	0.2	<10	<10	0	<10	<0.2	0
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/kg	0.5	<5	<5	0	<5	<0.5	0
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/kg	0.5	<5	<5	0	<5	<0.5	0
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/kg	0.2	<10	<10	0	<10	<0.2	0
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/kg	0.5	<5	<5	0	<5	<0.5	0
MAH								
Total MAH	mg/kg	0.5	-	-	-	-	-	-
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-
Isopropylbenzene	mg/kg	0.5	-	-	-	-	-	-
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-
Styrene	mg/kg	0.5	-	-	-	-	-	-
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-
PFAS								
6:2 Fluorotelomer Sulfonate (6:2 FTS)	µg/kg	5	-	-	-	-	-	-
Perfluorobutanesulfonate	µg/kg	5	-	-	-	-	-	-
Perfluorononanesulfonic acid (PFNS)	µg/kg	0.2	<5	<5	0	<5	<0.2	0
Sum of PFHxS and PFOS	ug/kg	0.2	<5	<5	0	<5	0.2	0
Sum of PFAS	µg/kg	0.2	<50	<50	0	<50	0.2	0
Sum of PFAS (PFOS + PFOA)	µg/kg	5	<5	<5	0	<5	-	-
Sum of PFAS (WA DER List)	ug/kg	0.2	<10	<10	0	<10	0.2	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	µg/kg	5	<5	<5	0	<5	-	-
Perfluoroalkane Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	µg/kg	1	<5	<5	0	<5	<1	0

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			Field ID	BH03_0.1	QA04		BH03_0.1	QA04a	
			Lab Report Number	1240933	1240933		1240933	ES2520523	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL							
Perfluoropentanoic acid (PFPeA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluorohexanoic acid (PFHxA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluoroheptanoic acid (PFHpA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluorooctanoic acid (PFOA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluorononanoic acid (PFNA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluorodecanoic acid (PFDA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluorododecanoic acid (PFDoDA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	0.5		<5	<5	0	<5	<0.5	0
Perfluorotridecanoic acid (PFTrDA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluoroundecanoic acid (PFUnDA)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluoroalkane Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	0.5		<5	<5	0	<5	<0.5	0
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Perfluorooctane sulfonic acid (PFOS)	µg/kg	0.2		<5	<5	0	<5	0.2	0
Perfluorodecane sulfonic acid (PFDS)	µg/kg	0.2		<5	<5	0	<5	<0.2	0
Phenols									
3&4-Methylphenol (m&p-cresol)	mg/kg	0.4		<0.4	<0.4	0	<0.4	<1	0
2,3,4,6-Tetrachlorophenol	mg/kg	0.5		-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
2,4,6-Trichlorophenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
2,4-Dichlorophenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2,4-Dimethylphenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2,4-Dinitrophenol	mg/kg	5		<5	<5	0	<5	-	-
2,6-Dichlorophenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2-Chlorophenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2-Methylphenol	mg/kg	0.2		<0.2	<0.2	0	<0.2	<0.5	0
2-Nitrophenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
4,6-Dinitro-2-methylphenol	mg/kg	5		<5	<5	0	<5	-	-
4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20		<20	<20	0	<20	-	-
4-chloro-3-methylphenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
4-Nitrophenol	mg/kg	5		<5	<5	0	<5	-	-
Cresol Total	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
Pentachlorophenol	mg/kg	1		<1	<1	0	<1	<2	0
Tetrachlorophenols	mg/kg	10		<10	<10	0	<10	-	-
Phenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
Phenols (Total Halogenated)	mg/kg	1		<1	<1	0	<1	-	-
Phenols (Total Non Halogenated)	mg/kg	20		<20	<20	0	<20	-	-
(n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	0.5		<5	<5	0	<5	<0.5	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	0.5		<10	<10	0	<10	<0.5	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	0.5		<5	<5	0	<5	<0.5	0
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	0.5		<5	<5	0	<5	<0.5	0
Organochlorine Pesticides									
Organochlorine pesticides EPAVic	mg/kg	0.1		<1	<0.1	0	<1	-	-
Other organochlorine pesticides EPAVic	mg/kg	0.1		<1	<0.1	0	<1	-	-
4,4-DDE	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
a-BHC	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Aldrin	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Aldrin + Dieldrin	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
b-BHC	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Chlordane	mg/kg	0.05		<1	<0.1	0	<1	<0.05	0
Chlordane (cis)	mg/kg	0.05		-	-	-	-	<0.05	-
Chlordane (technical)	mg/kg	0.1		-	-	-	-	-	-
Chlordane (trans)	mg/kg	0.05		-	-	-	-	<0.05	-
d-BHC	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
DDD	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
DDT	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.2	0
DDT+DDE+DDD	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Dieldrin	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Endosulfan	mg/kg	0.05		-	-	-	-	<0.05	-
Endosulfan I	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Endosulfan II	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Endosulfan sulphate	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Endrin	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Endrin aldehyde	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Endrin ketone	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
g-BHC (Lindane)	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Heptachlor	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Heptachlor epoxide	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.05	0
Methoxychlor	mg/kg	0.05		<0.5	<0.05	0	<0.5	<0.2	0
Toxaphene	mg/kg	0.5		<10	<0.5	0	<10	-	-
Chlorinated Hydrocarbons									
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5		-	-	-	-	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5		-	-	-	-	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5		-	-	-	-	-	-
1,1,1-trichloroethane	mg/kg	0.5		-	-	-	-	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5		-	-	-	-	-	-
1,1,2-trichloroethane	mg/kg	0.5		-	-	-	-	-	-
1,1-dichloroethane	mg/kg	0.5		-	-	-	-	-	-
1,1-dichloroethene	mg/kg	0.5		-	-	-	-	-	-

		Date	02 Jul 2025	02 Jul 2025		02 Jul 2025	02 Jul 2025	
		Field ID	BH03_0.1	QA04		BH03_0.1	QA04a	
		Lab Report Number	1240933	1240933		1240933	ES2520523	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL						
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5	-	-	-	-	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5	-	-	-	-	-	-
1,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-
1,3-dichloropropane	mg/kg	0.5	-	-	-	-	-	-
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-
Benzyl chloride	mg/kg	0.5	-	-	-	-	-	-
Bromochloromethane	mg/kg	0.5	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0.5	-	-	-	-	-	-
Bromoform	mg/kg	0.5	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.5	-	-	-	-	-	-
Chlorodibromomethane	mg/kg	0.5	-	-	-	-	-	-
Chloroethane	mg/kg	0.5	-	-	-	-	-	-
Chloroform	mg/kg	0.5	-	-	-	-	-	-
Chloromethane	mg/kg	0.5	-	-	-	-	-	-
cis-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-
cis-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-
Dibromomethane	mg/kg	0.5	-	-	-	-	-	-
Dichloromethane	mg/kg	0.5	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	1	-	-	-	-	-	-
Hexachloroethane	mg/kg	0.5	-	-	-	-	-	-
Trichloroethene	mg/kg	0.5	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.5	-	-	-	-	-	-
trans-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-
trans-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-
Vinyl chloride	mg/kg	0.5	-	-	-	-	-	-
Halogenated Benzenes								
1,2,3,4-tetrachlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,2,4,5-tetrachlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,3,5-Trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,3-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-
1,4-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-
Bromobenzene	mg/kg	0.5	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.5	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.05	<0.5	<0.05	0	<0.5	<0.05	0
Pentachlorobenzene	mg/kg	0.5	-	-	-	-	-	-
Explosives								
1,3,5-Trinitrobenzene	mg/kg	0.5	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	-	-	-	-	-	-
2,6-dinitrotoluene	mg/kg	1	-	-	-	-	-	-
2,4-& 2,6-Dinitrotoluene	mg/kg	0.2	-	-	-	-	-	-
Nitrobenzene	mg/kg	0.5	-	-	-	-	-	-
PCBs								
Arochlor 1016	mg/kg	0.1	<1	<0.1	0	<1	-	-
Arochlor 1221	mg/kg	0.1	<1	<0.1	0	<1	-	-
Arochlor 1232	mg/kg	0.1	<1	<0.1	0	<1	-	-
Arochlor 1242	mg/kg	0.1	<1	<0.1	0	<1	-	-
Arochlor 1248	mg/kg	0.1	<1	<0.1	0	<1	-	-
Arochlor 1254	mg/kg	0.1	<1	<0.1	0	<1	-	-
Arochlor 1260	mg/kg	0.1	<1	<0.1	0	<1	-	-
Arochlor 1268	mg/kg	0.2	-	-	-	-	-	-
Aroclor 1262	mg/kg	0.2	-	-	-	-	-	-
PCBs (Sum of total)	mg/kg	0.1	<1	<0.1	0	<1	<0.1	0
Phthalates								
Bis(2-ethylhexyl) phthalate	mg/kg	5	-	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.5	-	-	-	-	-	-
Diethylphthalate	mg/kg	0.5	-	-	-	-	-	-
Dimethyl phthalate	mg/kg	0.5	-	-	-	-	-	-
Di-n-butyl phthalate	mg/kg	0.5	-	-	-	-	-	-
Di-n-octyl phthalate	mg/kg	0.5	-	-	-	-	-	-
Solvents								
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	-	-	-
2-hexanone (MBK)	mg/kg	5	-	-	-	-	-	-
4-Methyl-2-pentanone	mg/kg	0.5	-	-	-	-	-	-
Acetone	mg/kg	0.5	-	-	-	-	-	-
Allyl chloride	mg/kg	0.5	-	-	-	-	-	-
Carbon disulfide	mg/kg	0.5	-	-	-	-	-	-
Isophorone	mg/kg	0.5	-	-	-	-	-	-
Vinyl acetate	mg/kg	5	-	-	-	-	-	-
VOCs								
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-
Dibenz(a.j)acridine	mg/kg	0.5	-	-	-	-	-	-
Pentachloroethane	mg/kg	0.5	-	-	-	-	-	-
Herbicides								
Dinoseb	mg/kg	20	<20	<20	0	<20	-	-
Pronamide	mg/kg	0.5	-	-	-	-	-	-
Trifluralin	mg/kg	0.5	-	-	-	-	-	-
Halogenated Hydrocarbons								
1,2-dibromoethane	mg/kg	0.5	-	-	-	-	-	-
Bromomethane	mg/kg	0.5	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.5	-	-	-	-	-	-
Iodomethane	mg/kg	0.5	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.5	-	-	-	-	-	-

***RPDs have only been considered where a concentration is greater than 1 times t**
****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs fo**
*****Interlab Duplicates are matched on a per compound basis as methods vary be**

		Lab Report Number	1243905	1243905		1243905	ES2521567	
		Field ID	WMFSED03	SEDQA01		WMFSED03	SEDQA01a	
		Date	10 Jul 2025	10 Jul 2025		10 Jul 2025	10 Jul 2025	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL						
Inorganics								
Nitrite + Nitrate as N	mg/kg	5	<5	<5	0	<5	-	-
Ammonia as N	mg/kg	5	<5	<5	0	<5	<20	0
Kjeldahl Nitrogen Total	mg/kg	10	160	170	6	160	160	0
Nitrate (as N)	mg/kg	0.1	<5	<5	0	<5	0.5	0
Nitrite (as N)	mg/kg	0.1	<5	<5	0	<5	<0.1	0
Nitrogen (Total)	mg/kg	10	160	170	6	160	160	0
Organic Nitrogen as N	mg/kg	10	160	170	6	160	-	-
Total Phosphorous	mg/kg	5	1,900	430	126	1,900	-	-
Metals								
Arsenic	mg/kg	2	4.1	2.8	38	4.1	<5	0
Cadmium	mg/kg	0.4	<0.4	<0.4	0	<0.4	<1	0
Chromium (III+VI)	mg/kg	2	5.7	<5	13	5.7	6	5
Copper	mg/kg	5	<5	<5	0	<5	<5	0
Lead	mg/kg	5	<5	<5	0	<5	<5	0
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Nickel	mg/kg	2	<5	<5	0	<5	2	0
Zinc	mg/kg	5	<5	<5	0	<5	<5	0
TRH								
C6-C10 Fraction (F1)	mg/kg	10	<20	<20	0	<20	<10	0
C6-C10 (F1 minus BTEX)	mg/kg	10	<20	<20	0	<20	<10	0
>C10-C16 Fraction (F2)	mg/kg	50	<50	<50	0	<50	<50	0
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50	<50	<50	0	<50	<50	0
>C16-C34 Fraction (F3)	mg/kg	100	<100	<100	0	<100	<100	0
>C34-C40 Fraction (F4)	mg/kg	100	<100	<100	0	<100	<100	0
>C10-C40 Fraction (Sum)	mg/kg	50	<100	<100	0	<100	<50	0
TPH								
C6-C9 Fraction	mg/kg	10	<20	<20	0	<20	<10	0
C10-C14 Fraction	mg/kg	20	<20	<20	0	<20	<50	0
C15-C28 Fraction	mg/kg	50	<50	<50	0	<50	<100	0
C29-C36 Fraction	mg/kg	50	<50	<50	0	<50	<100	0
C10-C36 Fraction (Sum)	mg/kg	50	<50	<50	0	<50	<50	0
BTEXN								
Benzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.2	0
Toluene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Naphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Xylene (o)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Xylene Total	mg/kg	0.3	<0.3	<0.3	0	<0.3	<0.5	0
Naphthalene (VOC)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<1	0
Total BTEX	mg/kg	0.2	-	-	-	-	<0.2	-
PAH								
Benzo(b+j+k)fluoranthene	mg/kg	1	-	-	-	-	<1	-
1-Chloronaphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
2-chloronaphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
2-methylnaphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
3-methylcholanthrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
7,12-dimethylbenz(a)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Acenaphthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Acenaphthylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a) pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chrysene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Fluorene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Phenanthrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	0.6	0	0.6	0.6	0
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	1.2	0
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Organophosphorous Pesticides								
Tokuthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Azinophos methyl	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Bromophos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-
Carbophenothion	mg/kg	0.05	-	-	-	-	<0.05	-
Chlorfenvinphos	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Chlorpyrifos	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Chlorpyrifos-methyl	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Coumaphos	mg/kg	2	<2	<2	0	<2	-	-
Demeton-O	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Demeton-S	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Diazinon	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Dichlorvos	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Dimethoate	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Disulfoton	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Ethion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Ethoprop	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Fenitrothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Fensulfothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Fenthion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
EPN	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Malathion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Merphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Methyl parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0
Mevinphos (Phosdrin)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Monocrotophos	mg/kg	0.2	<2	<2	0	<2	<0.2	0
Naled (Dibrom)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Omethoate	mg/kg	2	<2	<2	0	<2	-	-
Phorate	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-

		Lab Report Number	1243905	1243905		1243905	ES2521567	
		Field ID	WMFSED03	SEDQA01		WMFSED03	SEDQA01a	
		Date	10 Jul 2025	10 Jul 2025		10 Jul 2025	10 Jul 2025	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL						
Prothiofos	mg/kg	0.05	-	-	-	-	<0.05	-
Pyrazophos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Ronnel	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Terbufos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Trichloronate	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Tetrachlorvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Pesticides								
Chlorobenzilate	mg/kg	0.5	-	-	-	-	<0.5	-
Carbazole	mg/kg	0.5	-	-	-	-	<0.5	-
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	<0.05	-
Fenamiphos	mg/kg	0.05	-	-	-	-	<0.05	-
Parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0
Pirimiphos-methyl	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-
Amino Aliphatics								
N-nitrosodiethylamine	mg/kg	0.5	-	-	-	-	<0.5	-
N-nitrosodi-n-butylamine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
N-nitrosodi-n-propylamine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
N-Nitrosomethylethylamine	mg/kg	0.5	-	-	-	-	<0.5	-
Amino Aromatics								
1-naphthylamine	mg/kg	0.5	<1	<1	0	<1	<0.5	0
2-naphthylamine	mg/kg	0.5	<1	<1	0	<1	-	-
Diphenylamine	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
N-Nitrosodiphenyl & Diphenylamine	mg/kg	1	-	-	-	-	<1.0	-
Anilines								
2-nitroaniline	mg/kg	1	<1	<1	0	<1	<1.0	0
3-nitroaniline	mg/kg	1	-	-	-	-	<1.0	-
4-chloroaniline	mg/kg	0.5	-	-	-	-	<0.5	-
4-nitroaniline	mg/kg	0.5	-	-	-	-	<0.5	-
2-methyl-5-nitroaniline	mg/kg	0.5	-	-	-	-	<0.5	-
Aniline	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Nitroaromatics								
2-Picoline	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
4-aminobiphenyl	mg/kg	0.5	<1	<1	0	<1	<0.5	0
Pentachloronitrobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Other								
Acetophenone	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
SVOCs								
2-(acetylamino) fluorene	mg/kg	0.5	-	-	-	-	<0.5	-
3,3-Dichlorobenzidine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
4-(dimethylamino) azobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
4-bromophenyl phenyl ether	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
4-chlorophenyl phenyl ether	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
4-Nitroquinoline-N-oxide	mg/kg	0.5	-	-	-	-	<0.5	-
Azobenzene	mg/kg	1	-	-	-	-	<1	-
Bis(2-chloroethoxy) methane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Bis(2-chloroethyl)ether	mg/kg	0.5	-	-	-	-	<0.5	-
Bis(2-chloroisopropyl) ether	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Dibenzofuran	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Hexachloropropene	mg/kg	0.5	-	-	-	-	<0.5	-
Methapyrilene	mg/kg	0.5	-	-	-	-	<0.5	-
N-nitrosomorpholine	mg/kg	0.5	-	-	-	-	<0.5	-
N-nitrosopiperidine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
N-nitrosopyrrolidine	mg/kg	1	-	-	-	-	<1.0	-
Phenacetin	mg/kg	0.5	-	-	-	-	<0.5	-
Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
MAH								
Total MAH	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Isopropylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
n-butylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	<0.5	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
Styrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
tert-butylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
PFAS								
Perfluorononanesulfonic acid (PFNS)	µg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Sum of PFHxS and PFOS	ug/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Sum of PFAS	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Sum of PFAS (WA DER List)	ug/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Perfluoroalkane Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	µg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Perfluoropentanoic acid (PFPeA)	µg/kg	0.1	0.1	<0.1	0	0.1	-	-
Perfluorohexanoic acid (PFHxA)	µg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Perfluoroheptanoic acid (PFHpA)	µg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Perfluorooctanoic acid (PFOA)	µg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Perfluorononanoic acid (PFNA)	µg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Perfluorodecanoic acid (PFDA)	µg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Perfluorododecanoic acid (PFDoDA)	µg/kg	0.1	<0.1	<0.1	0	<0.1	-	-

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			Field ID	WMFSED03	SEDQA01		WMFSED03	SEDQA01a	
			Date	10 Jul 2025	10 Jul 2025		10 Jul 2025	10 Jul 2025	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL							
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluorotridecanoic acid (PFTrDA)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluoroundecanoic acid (PFUnDA)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluoroalkane Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluorooctane sulfonic acid (PFOS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Perfluorodecane sulfonic acid (PFDS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Phenols									
3&4-Methylphenol (m&p-cresol)	mg/kg	0.4		<0.4	<0.4	0	<0.4	<0.5	0
2,3,4,6-Tetrachlorophenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
2,4,5-Trichlorophenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
2,4,6-Trichlorophenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
2,4-Dichlorophenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2,4-Dimethylphenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2,4-Dinitrophenol	mg/kg	5		<5	<5	0	<5	-	-
2,6-Dichlorophenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2-Chlorophenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2-Methylphenol	mg/kg	0.2		<0.2	<0.2	0	<0.2	<0.5	0
2-Nitrophenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
4,6-Dinitro-2-methylphenol	mg/kg	5		<5	<5	0	<5	-	-
4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20		<20	<20	0	<20	-	-
4-chloro-3-methylphenol	mg/kg	0.5		<1	<1	0	<1	<0.5	0
4-Nitrophenol	mg/kg	5		<5	<5	0	<5	-	-
Cresol Total	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
Pentachlorophenol	mg/kg	1		<1	<1	0	<1	<1	0
Tetrachlorophenols	mg/kg	10		<10	<10	0	<10	-	-
Phenol	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
Phenols (Total Halogenated)	mg/kg	1		<1	<1	0	<1	-	-
Phenols (Total Non Halogenated)	mg/kg	20		<20	<20	0	<20	-	-
(n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Organochlorine Pesticides									
Organochlorine pesticides EPAVic	mg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
Other organochlorine pesticides EPAVic	mg/kg	0.1		<0.1	<0.1	0	<0.1	-	-
4,4-DDE	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
a-BHC	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Aldrin	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Aldrin + Dieldrin	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
b-BHC	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Chlordane	mg/kg	0.05		<0.1	<0.1	0	<0.1	<0.05	0
Chlordane (cis)	mg/kg	0.05		-	-	-	-	<0.05	-
Chlordane (trans)	mg/kg	0.05		-	-	-	-	<0.05	-
d-BHC	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
DDD	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
DDT	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.2	0
DDT+DDE+DDD	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Dieldrin	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan	mg/kg	0.05		-	-	-	-	<0.05	-
Endosulfan I	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan II	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan sulphate	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Endrin	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Endrin aldehyde	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Endrin ketone	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
g-BHC (Lindane)	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Heptachlor	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Heptachlor epoxide	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.05	0
Methoxychlor	mg/kg	0.05		<0.05	<0.05	0	<0.05	<0.2	0
Toxaphene	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
Chlorinated Hydrocarbons									
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,1,1-trichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,1,2,2-tetrachloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,1,2-trichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloroethene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloropropene	mg/kg	0.5		-	-	-	-	<0.5	-
1,2,3-trichloropropane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,2-dibromo-3-chloropropane	mg/kg	0.5		-	-	-	-	<0.5	-
1,2-dichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,2-dichloropropane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
1,3-dichloropropane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0
2,2-dichloropropane	mg/kg	0.5		-	-	-	-	<0.5	-
Benzyl chloride	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-
Bromochloromethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	-	-

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		Field ID	WMFSED03	SEDQA01		WMFSED03	SEDQA01a	
		Date	10 Jul 2025	10 Jul 2025		10 Jul 2025	10 Jul 2025	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL						
Bromodichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Bromoform	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Carbon tetrachloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chlorodibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Chloroform	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Dibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Dichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Hexachlorobutadiene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Hexachlorocyclopentadiene	mg/kg	1	<1	<1	0	<1	<2.5	0
Hexachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Trichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Tetrachloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Vinyl chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Halogenated Benzenes								
1,2,3,4-tetrachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2,3-trichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,2,4,5-tetrachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2,4-trichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,2-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,3,5-Trichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,3-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,4-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
2-chlorotoluene	mg/kg	0.5	-	-	-	-	<0.5	-
4-chlorotoluene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Bromobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Pentachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Explosives								
1,3,5-Trinitrobenzene	mg/kg	0.5	-	-	-	-	<0.5	-
2,4-Dinitrotoluene	mg/kg	0.2	<0.2	<0.2	0	<0.2	<1.0	0
2,6-dinitrotoluene	mg/kg	1	<1	<1	0	<1	<1.0	0
2,4-& 2,6-Dinitrotoluene	mg/kg	0.2	<1	<1	0	<1	-	-
Nitrobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
PCBs								
Arochlor 1016	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1221	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1232	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1242	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1248	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1254	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1260	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Phthalates								
Bis(2-ethylhexyl) phthalate	mg/kg	5	<5	<5	0	<5	<5.0	0
Butyl benzyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Diethylphthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Dimethyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Di-n-butyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Di-n-octyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Solvents								
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
2-hexanone (MBK)	mg/kg	5	-	-	-	-	<5	-
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Acetone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Allyl chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Isophorone	mg/kg	0.5	-	-	-	-	<0.5	-
Vinyl acetate	mg/kg	5	-	-	-	-	<5	-
VOCs								
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	<0.5	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	<0.5	-
Dibenz(a.j)acridine	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Pentachloroethane	mg/kg	0.5	-	-	-	-	<0.5	-
Herbicides								
Dinoseb	mg/kg	20	<20	<20	0	<20	-	-
Pronamide	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Trifluralin	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Halogenated Hydrocarbons								
1,2-dibromoethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Bromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Dichlorodifluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Iodomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Trichlorofluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0

***RPDs have only been considered where a concentration is greater than 1 times the EQL.**

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 999 (1 - 5 x EQL); 999 (5 - 10 x EQL); 50 (> 10 x EQL))**

*****Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory**

			Date	10 Jul 2025	10 Jul 2025
			Field ID	PFAS BLANK	RINSATE01
			Lab Report Number	1243905	1243905
			Matrix Type	Water	Water
	Unit	EQL			
Inorganics					
Total Phosphorus as P (Organic Phosphate as P)	mg/L	0.01		-	<0.01
Nitrite + Nitrate as N	mg/L	0.05		-	<0.05
Ammonia as N	mg/L	0.01		-	0.02
Kjeldahl Nitrogen Total	mg/L	0.2		-	<0.2
Nitrate (as N)	mg/L	0.02		-	<0.02
Nitrite (as N)	mg/L	0.02		-	<0.02
Organic Nitrogen as N	mg/L	0.2		-	<0.02
Nitrogen (Total)	mg/L	0.2		-	<0.2
Reactive Phosphorus as P (Orthophosphate as P)	mg/L	0.05		-	<0.05
Metals					
Arsenic	mg/L	0.001		-	<0.001
Cadmium	mg/L	0.0002		-	<0.0002
Chromium (III+VI)	mg/L	0.001		-	<0.001
Copper	mg/L	0.001		-	<0.001
Lead	mg/L	0.001		-	<0.001
Mercury	mg/L	0.0001		-	<0.0001
Nickel	mg/L	0.001		-	<0.001
Zinc	mg/L	0.005		-	<0.005
TRH					
C6-C10 Fraction (F1)	µg/L	20		-	<20
	%	1		-	-
C6-C10 (F1 minus BTEX)	µg/L	20		-	<20
>C10-C16 Fraction (F2)	µg/L	50		-	<50
>C10-C16 Fraction (F2 minus Naphthalene)	µg/L	50		-	<50
>C16-C34 Fraction (F3)	µg/L	100		-	<100
>C34-C40 Fraction (F4)	µg/L	100		-	<100
>C10-C40 Fraction (Sum)	µg/L	100		-	<100
TPH					
C6-C9 Fraction	µg/L	20		-	<20
	%	1		-	-
C10-C14 Fraction	µg/L	50		-	<50
C15-C28 Fraction	µg/L	100		-	<100
C29-C36 Fraction	µg/L	100		-	<100
C10-C36 Fraction (Sum)	µg/L	100		-	<100
BTEXN					
Naphthalene (VOC)	µg/L	10		-	<10
	%	1		-	-
Naphthalene	µg/L	1		-	<1
Benzene	µg/L	1		-	<1
	%	1		-	-
Toluene	µg/L	1		-	<1
	%	1		-	-
Ethylbenzene	µg/L	1		-	<1
	%	1		-	-
Xylene (m & p)	µg/L	2		-	<2
	%	1		-	-
Xylene (o)	µg/L	1		-	<1
	%	1		-	-
Xylene Total	µg/L	3		-	<3
Xylene Total	%	1		-	-
MAH					
Total MAH	µg/L	3		-	<3
1,2,4-trimethylbenzene	µg/L	1		-	<1
1,3,5-trimethylbenzene	µg/L	1		-	<1
Isopropylbenzene	µg/L	1		-	<1
Styrene	µg/L	1		-	<1
Other					
Acetophenone	µg/L	5		-	<5
PFAS					
Perfluorononanesulfonic acid (PFNS)	µg/L	0.001		<0.01	<0.001
Sum of PFHxS and PFOS	µg/L	0.001		<0.01	<0.001
Sum of PFAS	µg/L	0.005		<0.1	<0.005
Sum of PFAS (WA DER List)	µg/L	0.005		<0.05	<0.005
(n:2) Fluorotelomer Sulfonic Acids					
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.001		<0.01	<0.001
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.005		<0.05	<0.005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.001		<0.01	<0.001
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.001		<0.01	<0.001
PAH					
1-Chloronaphthalene	µg/L	5		-	<5
2-chloronaphthalene	µg/L	5		-	<5
2-methylnaphthalene	µg/L	5		-	<5
3-methylcholanthrene	µg/L	5		-	<5
7,12-dimethylbenz(a)anthracene	µg/L	5		-	<5
Acenaphthene	µg/L	1		-	<1
Acenaphthylene	µg/L	1		-	<1
Anthracene	µg/L	1		-	<1
Benz(a)anthracene	µg/L	1		-	<1
Benzo(a) pyrene	µg/L	1		-	<1
Benzo(b+j)fluoranthene	µg/L	1		-	<1
Benzo(g,h,i)perylene	µg/L	1		-	<1
Benzo(k)fluoranthene	µg/L	1		-	<1
Chrysene	µg/L	1		-	<1
Dibenz(a,h)anthracene	µg/L	1		-	<1
Fluoranthene	µg/L	1		-	<1
Fluorene	µg/L	1		-	<1
Indeno(1,2,3-c,d)pyrene	µg/L	1		-	<1
Phenanthrene	µg/L	1		-	<1
Pyrene	µg/L	1		-	<1
PAHs (Sum of total)	µg/L	1		-	<1

		Date	10 Jul 2025	10 Jul 2025
		Field ID	PFAS BLANK	RINSATE01
		Lab Report Number	1243905	1243905
		Matrix Type	Water	Water
	Unit	EQL		
Organochlorine Pesticides				
Organochlorine pesticides EPAVic	µg/L	2	-	<2
Other organochlorine pesticides EPAVic	µg/L	2	-	<2
4,4-DDE	µg/L	0.2	-	<0.2
a-BHC	µg/L	0.2	-	<0.2
Aldrin	µg/L	0.2	-	<0.2
Aldrin + Dieldrin	µg/L	0.2	-	<0.2
b-BHC	µg/L	0.2	-	<0.2
Chlordane	µg/L	2	-	<2
d-BHC	µg/L	0.2	-	<0.2
DDD	µg/L	0.2	-	<0.2
DDT	µg/L	0.2	-	<0.2
DDT+DDE+DDD	µg/L	0.2	-	<0.2
Dieldrin	µg/L	0.2	-	<0.2
Endosulfan I	µg/L	0.2	-	<0.2
Endosulfan II	µg/L	0.2	-	<0.2
Endosulfan sulphate	µg/L	0.2	-	<0.2
Endrin	µg/L	0.2	-	<0.2
Endrin aldehyde	µg/L	0.2	-	<0.2
Endrin ketone	µg/L	0.2	-	<0.2
g-BHC (Lindane)	µg/L	0.2	-	<0.2
Heptachlor	µg/L	0.2	-	<0.2
Heptachlor epoxide	µg/L	0.2	-	<0.2
Hexachlorobenzene	µg/L	0.2	-	<0.2
Methoxychlor	µg/L	0.2	-	<0.2
Toxaphene	µg/L	5	-	<5
Organophosphorous Pesticides				
Tokuthion	µg/L	2	-	<2
Azinophos methyl	µg/L	2	-	<2
Bolstar (Sulprofos)	µg/L	2	-	<2
Chlorfenvinphos	µg/L	20	-	<20
Chlorpyrifos	µg/L	2	-	<2
Chlorpyrifos-methyl	µg/L	2	-	<2
Coumaphos	µg/L	20	-	<20
Demeton-O	µg/L	2	-	<2
Demeton-S	µg/L	2	-	<2
Diazinon	µg/L	2	-	<2
Dichlorvos	µg/L	2	-	<2
Dimethoate	µg/L	2	-	<2
Disulfoton	µg/L	2	-	<2
Ethion	µg/L	2	-	<2
Ethoprop	µg/L	2	-	<2
Fenitrothion	µg/L	2	-	<2
Fensulfothion	µg/L	2	-	<2
Fenthion	µg/L	2	-	<2
EPN	µg/L	2	-	<2
Malathion	µg/L	2	-	<2
Merphos	µg/L	2	-	<2
Methyl parathion	µg/L	2	-	<2
Mevinphos (Phosdrin)	µg/L	2	-	<2
Monocrotophos	µg/L	2	-	<2
Naled (Dibrom)	µg/L	2	-	<2
Omethoate	µg/L	20	-	<20
Parathion	µg/L	2	-	<2
Phorate	µg/L	2	-	<2
Pirimiphos-methyl	µg/L	20	-	<20
Pyrazophos	µg/L	2	-	<2
Ronnel	µg/L	2	-	<2
Terbufos	µg/L	2	-	<2
Trichloronate	µg/L	2	-	<2
Tetrachlorvinphos	µg/L	2	-	<2
Amino Aliphatics				
N-nitrosodi-n-butylamine	µg/L	5	-	<5
N-nitrosodi-n-propylamine	µg/L	5	-	<5
Amino Aromatics				
1-naphthylamine	µg/L	5	-	<10
2-naphthylamine	µg/L	5	-	<10
Diphenylamine	µg/L	5	-	<5
Anilines				
2-nitroaniline	µg/L	5	-	<5
Aniline	µg/L	5	-	<5
Chlorinated Hydrocarbons				
Other chlorinated hydrocarbons EPAVic	µg/L	5	-	<5
Chlorinated hydrocarbons EPAVic	µg/L	5	-	<5
1,1,1,2-tetrachloroethane	µg/L	1	-	<1
1,1,1-trichloroethane	µg/L	1	-	<1
1,1,2,2-tetrachloroethane	µg/L	1	-	<1
1,1,2-trichloroethane	µg/L	1	-	<1
1,1-dichloroethane	µg/L	1	-	<1
1,1-dichloroethene	µg/L	1	-	<1
1,2,3-trichloropropane	µg/L	1	-	<1
1,2-dichloroethane	µg/L	1	-	<1
1,2-dichloropropane	µg/L	1	-	<1
1,3-dichloropropane	µg/L	1	-	<1
Benzyl chloride	µg/L	5	-	<5
Bromochloromethane	µg/L	1	-	<1
Bromodichloromethane	µg/L	1	-	<1
Bromoform	µg/L	1	-	<1
Carbon tetrachloride	µg/L	1	-	<1
Chlorodibromomethane	µg/L	1	-	<1
Chloroethane	µg/L	5	-	<5
Chloroform	µg/L	5	-	<5
Chloromethane	µg/L	5	-	<5
cis-1,2-dichloroethene	µg/L	1	-	<1
cis-1,3-dichloropropene	µg/L	1	-	<1
Dibromomethane	µg/L	1	-	<1
Dichloromethane	µg/L	5	-	<5

		Date	10 Jul 2025	10 Jul 2025
		Field ID	PFAS BLANK	RINSATE01
		Lab Report Number	1243905	1243905
		Matrix Type	Water	Water
	Unit	EQL		
Hexachlorobutadiene	µg/L	5	-	<5
Hexachlorocyclopentadiene	µg/L	5	-	<5
Hexachloroethane	µg/L	5	-	<5
Trichloroethene	µg/L	1	-	<1
Tetrachloroethene	µg/L	1	-	<1
trans-1,2-dichloroethene	µg/L	1	-	<1
trans-1,3-dichloropropene	µg/L	1	-	<1
Vinyl chloride	µg/L	5	-	<5
Explosives				
2,4-Dinitrotoluene	µg/L	5	-	<5
2,6-dinitrotoluene	µg/L	5	-	<5
2,4-& 2,6-Dinitrotoluene	mg/L	0.005	-	<0.005
Nitrobenzene	µg/L	5	-	<5
Halogenated Benzenes				
1,2,3,4-tetrachlorobenzene	µg/L	5	-	<5
1,2,3,5-Tetrachlorobenzene	µg/L	5	-	<5
1,2,3-trichlorobenzene	µg/L	5	-	<5
1,2,4,5-tetrachlorobenzene	µg/L	5	-	<5
1,2,4-trichlorobenzene	µg/L	5	-	<5
1,2-dichlorobenzene	µg/L	1	-	<1
1,3,5-Trichlorobenzene	µg/L	5	-	<5
1,3-dichlorobenzene	µg/L	1	-	<1
1,4-dichlorobenzene	µg/L	1	-	<1
4-chlorotoluene	µg/L	1	-	<1
Bromobenzene	µg/L	1	-	<1
Chlorobenzene	µg/L	1	-	<1
Pentachlorobenzene	µg/L	5	-	<5
Halogenated Hydrocarbons				
1,2-dibromoethane	µg/L	1	-	<1
Bromomethane	µg/L	5	-	<5
Dichlorodifluoromethane	µg/L	5	-	<5
Iodomethane	µg/L	1	-	<1
Trichlorofluoromethane	µg/L	5	-	<5
Herbicides				
Dinoseb	µg/L	100	-	<100
Pronamide	µg/L	5	-	<5
Trifluralin	mg/L	0.005	-	<0.005
Nitroaromatics				
2-Picoline	µg/L	5	-	<5
4-aminobiphenyl	µg/L	5	-	<10
Pentachloronitrobenzene	µg/L	5	-	<5
Perfluoroalkane Carboxylic Acids				
Perfluorobutanoic acid (PFBA)	µg/L	0.005	<0.05	<0.005
Perfluorohexanoic acid (PFHxA)	µg/L	0.001	<0.01	<0.001
Perfluoropentanoic acid (PFPeA)	µg/L	0.001	<0.01	<0.001
Perfluoroheptanoic acid (PFHpA)	µg/L	0.001	<0.01	<0.001
Perfluorooctanoic acid (PFOA)	µg/L	0.001	<0.01	<0.001
Perfluorodecanoic acid (PFDA)	µg/L	0.001	<0.01	<0.001
Perfluorododecanoic acid (PFDoDA)	µg/L	0.001	<0.01	<0.001
Perfluorononanoic acid (PFNA)	µg/L	0.001	<0.01	<0.001
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.001	<0.01	<0.001
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.001	<0.01	<0.001
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.001	<0.01	<0.001
Perfluoroalkane Sulfonic Acids				
Perfluoropropanesulfonic acid (PFPrS)	µg/L	0.001	<0.01	<0.001
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.001	<0.01	<0.001
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.001	<0.01	<0.001
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.001	<0.01	<0.001
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.001	<0.01	<0.001
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.0001	<0.01	0.0001
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.001	<0.01	<0.001
Perfluoroalkyl Sulfonamides				
Perfluorooctane sulfonamide (FOSA)	µg/L	0.005	<0.05	<0.005
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.005	<0.05	<0.005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.005	<0.05	<0.005
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.005	<0.05	<0.005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.005	<0.05	<0.005
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.005	<0.05	<0.005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.005	<0.05	<0.005
Phthalates				
Bis(2-ethylhexyl) phthalate	µg/L	5	-	<5
Butyl benzyl phthalate	µg/L	5	-	<5
Diethylphthalate	µg/L	5	-	<5
Dimethyl phthalate	µg/L	5	-	<5
Di-n-butyl phthalate	µg/L	5	-	<5
Di-n-octyl phthalate	µg/L	5	-	<5
Solvents				
Methyl Ethyl Ketone	µg/L	5	-	<5
4-Methyl-2-pentanone	µg/L	5	-	<5
Acetone	µg/L	5	-	<5
Allyl chloride	µg/L	1	-	<1
Carbon disulfide	µg/L	1	-	<1
VOCs				

		Date	10 Jul 2025	10 Jul 2025
		Field ID	PFAS BLANK	RINSATE01
		Lab Report Number	1243905	1243905
		Matrix Type	Water	Water
	Unit	EQL		
Dibenz(a.j)acridine	mg/L	0.005	-	<0.005
SVOCs				
3,3-Dichlorobenzidine	µg/L	5	-	<5
4-(dimethylamino) azobenzene	µg/L	5	-	<5
4-bromophenyl phenyl ether	µg/L	5	-	<5
4-chlorophenyl phenyl ether	µg/L	5	-	<5
Bis(2-chloroethoxy) methane	µg/L	5	-	<5
Bis(2-chloroisopropyl) ether	µg/L	5	-	<5
Dibenzofuran	µg/L	5	-	<5
N-nitrosopiperidine	µg/L	5	-	<5
PCBs				
Arochlor 1016	µg/L	5	-	<5
Arochlor 1221	µg/L	5	-	<5
Arochlor 1232	µg/L	5	-	<5
Arochlor 1242	µg/L	5	-	<5
Arochlor 1248	µg/L	5	-	<5
Arochlor 1254	µg/L	5	-	<5
Arochlor 1260	µg/L	5	-	<5
PCBs (Sum of total)	µg/L	5	-	<5
Phenols				
3&4-Methylphenol (m&p-cresol)	µg/L	6	-	<6
2,3,4,6-Tetrachlorophenol	µg/L	10	-	<10
2,4,5-Trichlorophenol	µg/L	10	-	<10
2,4,6-Trichlorophenol	µg/L	10	-	<10
2,4-Dichlorophenol	µg/L	3	-	<3
2,4-Dimethylphenol	µg/L	3	-	<3
2,4-Dinitrophenol	mg/L	0.03	-	<0.03
2,6-Dichlorophenol	µg/L	3	-	<3
2-Chlorophenol	µg/L	3	-	<3
2-Methylphenol	µg/L	3	-	<3
2-Nitrophenol	µg/L	10	-	<10
4,6-Dinitro-2-methylphenol	µg/L	30	-	<30
4,6-Dinitro-o-cyclohexyl phenol	µg/L	100	-	<100
4-chloro-3-methylphenol	µg/L	10	-	<10
4-Nitrophenol	µg/L	30	-	<30
Cresol Total	mg/L	0.01	-	<0.01
Pentachlorophenol	µg/L	10	-	<10
Tetrachlorophenols	µg/L	30	-	<30
Phenol	µg/L	3	-	<3
Phenols (Total Halogenated)	mg/L	0.01	-	<0.01
Phenols (Total Non Halogenated)	mg/L	0.1	-	<0.1

	Date		10 Jul 2025	10 Jul 2025	10 Jul 2025	10 Jul 2025
	Field ID		TRIP BLANK01	TRIP BLANK02	TRIP SPIKE01	TRIP SPIKE02
	Lab Report Number		1243905	1243905	1243905	1243905
	Matrix Type		Water	Water	Water	Water
	Unit	EQL				
TRH						
C6-C10 Fraction (F1)	**µg/L**	20	<20	<20	-	-
	%	1	-	-	71	89
C6-C10 (F1 minus BTEX)	**µg/L**	20	<20	<20	-	-
TPH						
C6-C9 Fraction	**µg/L**	20	<20	<20	-	-
C6-C9 Fraction	**%**	1	-	-	72	91
BTEXN						
Naphthalene (VOC)	**µg/L**	10	<10	<10	-	-
	%	1	-	-	82	72
Naphthalene	**µg/L**	1	-	-	-	-
Benzene	**µg/L**	1	<1	<1	-	-
	%	1	-	-	110	130
Toluene	**µg/L**	1	<1	<1	-	-
	%	1	-	-	110	110
Ethylbenzene	**µg/L**	1	<1	<1	-	-
	%	1	-	-	98	110
Xylene (m & p)	**µg/L**	2	<2	<2	-	-
	%	1	-	-	100	110
Xylene (o)	**µg/L**	1	<1	<1	-	-
	%	1	-	-	95	100
Xylene Total	**µg/L**	3	<3	<3	-	-
Xylene Total	**%**	1	-	-	97	100

Appendix F

Laboratory Certificates

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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: **STEVEN DRYSDALE**

Report **1153612-S**
Project name LORD HOWE ISLAND
Project ID 30013573A
Received Date Oct 25, 2024

Client Sample ID			[G01]**TP24/0.1**	**TP24/1.5**	**TP25/0.5**	**TP25/1.5**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-Oc0070252**	**S24-Oc0070253**	**S24-Oc0070254**	**S24-Oc0070255**
Date Sampled			**Oct 22, 2024**	**Oct 22, 2024**	**Oct 22, 2024**	**Oct 22, 2024**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 100	-	< 20	-
TRH C15-C28	50	mg/kg	< 250	-	110	-
TRH C29-C36	50	mg/kg	1100	-	120	-
TRH C10-C36 (Total)	50	mg/kg	1100	-	230	-
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	< 250	-	< 50	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 250	-	< 50	-
TRH >C16-C34	100	mg/kg	1300	-	200	-
TRH >C34-C40	100	mg/kg	< 500	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	1300	-	200	-
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	%	136	-	104	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	136	-	-	-
Toluene-d8 (surr.)	1	%	139	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
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	-
Dibutylchlorendate (surr.)	1	%	69	-	79	-
Tetrachloro-m-xylene (surr.)	1	%	85	-	101	-
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	-
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	-

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	76	-	91	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	69	-	79	-
Tetrachloro-m-xylene (surr.)	1	%	85	-	101	-
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	-	-
Total PAH*	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	-	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-	-
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	-
1-Naphthylamine	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	-
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	-
2-Fluorobiphenyl (surr.)	1	%	83	-	-	-
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	0.2	-	-	-

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Naphthylamine	0.5	mg/kg	< 0.5	-	-	-
2-Nitroaniline	1	mg/kg	< 1	-	-	-
2-Nitrophenol	1	mg/kg	< 1	-	-	-
2-Picoline	0.5	mg/kg	< 0.5	-	-	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	-	-
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	-	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.4.6-Tribromophenol (surr.)	1	%	61	-	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.6-Dinitrotoluene	1	mg/kg	< 1	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	-
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	-	-
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	-	-
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	-
4-Nitrophenol	5	mg/kg	< 5	-	-	-
4.4'-DDD	0.5	mg/kg	< 0.5	-	-	-
4.4'-DDE	0.5	mg/kg	< 0.5	-	-	-
4.4'-DDT	1	mg/kg	< 1	-	-	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
a-HCH	0.5	mg/kg	< 0.5	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Acetophenone	0.5	mg/kg	< 0.5	-	-	-
Aldrin	0.5	mg/kg	< 0.5	-	-	-
Aniline	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
b-HCH	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-
Benzyl chloride	0.5	mg/kg	< 0.5	-	-	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	-	-
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
d-HCH	0.5	mg/kg	< 0.5	-	-	-
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	-	-
Dibenzofuran	0.5	mg/kg	< 0.5	-	-	-
Dieldrin	0.5	mg/kg	< 0.5	-	-	-
Diethyl phthalate	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	-	-
Diphenylamine	0.5	mg/kg	< 0.5	-	-	-
Endosulfan I	0.5	mg/kg	< 0.5	-	-	-
Endosulfan II	0.5	mg/kg	< 0.5	-	-	-
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	-	-
Endrin	0.5	mg/kg	< 0.5	-	-	-
Endrin aldehyde	0.5	mg/kg	< 0.5	-	-	-
Endrin ketone	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	-	-
Heptachlor	0.5	mg/kg	< 0.5	-	-	-
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	-	-
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	-	-
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	-	-
Hexachloroethane	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Methoxychlor	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Nitrobenzene	0.5	mg/kg	< 0.5	-	-	-
Nitrobenzene-d5 (surr.)	1	%	71	-	-	-
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Phenol	0.5	mg/kg	0.6	-	-	-
Phenol-d6 (surr.)	1	%	69	-	-	-
Pronamide	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Trifluralin	0.5	mg/kg	< 0.5	-	-	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	-	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	-	-
Ammonia (as N)	5	mg/kg	< 20	< 5	< 5	< 50
Nitrate & Nitrite (as N)	5	mg/kg	< 10	340	770	< 5
Nitrate (as N)	5	mg/kg	< 10	340	770	< 5
Nitrite (as N)	5	mg/kg	< 10	< 5	< 5	< 5
Organic Nitrogen (as N)*	10	mg/kg	5900	130	17000	21000
Phosphorus reactive (as P)	0.1	mg/kg	190	1.5	< 10	9.5
Total Kjeldahl Nitrogen (as N)	10	mg/kg	5900	130	17000	21000
Total Nitrogen (as N)*	10	mg/kg	5900	470	18000	21000

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Heavy Metals						
Phosphorus	10	mg/kg	3000	1500	2800	5500
Heavy Metals						
Arsenic	2	mg/kg	< 2	-	3.1	-
Cadmium	0.4	mg/kg	< 0.4	-	0.6	-
Chromium	5	mg/kg	< 5	-	13	-
Copper	5	mg/kg	56	-	43	-
Lead	5	mg/kg	< 5	-	6.4	-
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	-
Nickel	5	mg/kg	< 5	-	16	-
Zinc	5	mg/kg	110	-	94	-
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Sample Properties						
% Moisture	1	%	53	14	32	51
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	5.4	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	12	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	< 5	-
13C4-PFBA (surr.)	1	%	96	-	93	-
13C5-PFPeA (surr.)	1	%	105	-	106	-
13C5-PFHxA (surr.)	1	%	116	-	106	-
13C4-PFHpA (surr.)	1	%	118	-	98	-
13C8-PFOA (surr.)	1	%	108	-	104	-
13C5-PFNA (surr.)	1	%	111	-	108	-
13C6-PFDA (surr.)	1	%	137	-	131	-
13C2-PFUnDA (surr.)	1	%	128	-	117	-
13C2-PFDoDA (surr.)	1	%	124	-	119	-
13C2-PFTeDA (surr.)	1	%	132	-	128	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	< 10	-

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	< 10	-
13C8-FOSA (surr.)	1	%	110	-	102	-
D3-N-MeFOSA (surr.)	1	%	106	-	111	-
D5-N-EtFOSA (surr.)	1	%	127	-	118	-
D7-N-MeFOSE (surr.)	1	%	109	-	96	-
D9-N-EtFOSE (surr.)	1	%	113	-	102	-
D5-N-EtFOSAA (surr.)	1	%	134	-	103	-
D3-N-MeFOSAA (surr.)	1	%	110	-	121	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	8.8	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	< 5	-
13C3-PFBS (surr.)	1	%	116	-	113	-
18O2-PFHxS (surr.)	1	%	107	-	98	-
13C8-PFOS (surr.)	1	%	122	-	105	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
13C2-4:2 FTSA (surr.)	1	%	133	-	116	-
13C2-6:2 FTSA (surr.)	1	%	100	-	111	-
13C2-8:2 FTSA (surr.)	1	%	130	-	119	-
13C2-10:2 FTSA (surr.)	1	%	168	-	166	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	8.8	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	8.8	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	8.8	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	26.2	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	< 50	-
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	-
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			[G01]TP24/0.1	TP24/1.5	TP25/0.5	TP25/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070252	S24-Oc0070253	S24-Oc0070254	S24-Oc0070255
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	104	-
p-Terphenyl-d14 (surr.)	1	%	-	-	92	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
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	-
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	%	-	80	79	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroform	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	80	79	-
Toluene-d8 (surr.)	1	%	-	144	134	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
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	-
Dibutylchlorendate (surr.)	1	%	-	56	58	-
Tetrachloro-m-xylene (surr.)	1	%	-	85	88	-
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	-
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	-	53	57	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	56	58	-
Tetrachloro-m-xylene (surr.)	1	%	-	85	88	-
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 1	< 1	-
Total PAH*	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	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	< 5	-
1-Chloronaphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
1-Naphthylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3-Trichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4-Trichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3.5-Trichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Chloronaphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Chlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	78	80	-
2-Methylnaphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	< 0.2	-
2-Naphthylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Nitroaniline	1	mg/kg	-	< 1	< 1	-
2-Nitrophenol	1	mg/kg	-	< 1	< 1	-
2-Picoline	0.5	mg/kg	-	< 0.5	< 0.5	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	< 5	< 5	-
2.4-Dinitrotoluene	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	< 1	-
2.4.6-Tribromophenol (surr.)	1	%	-	INT	INT	-
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.6-Dinitrotoluene	1	mg/kg	-	< 1	< 1	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	< 0.4	-
3-Methylcholanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
3.3'-Dichlorobenzidine	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Aminobiphenyl	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	< 1	-
4-Nitrophenol	5	mg/kg	-	< 5	< 5	-
4.4'-DDD	0.5	mg/kg	-	< 0.5	< 0.5	-
4.4'-DDE	0.5	mg/kg	-	< 0.5	< 0.5	-
4.4'-DDT	1	mg/kg	-	< 1	< 1	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
a-HCH	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acetophenone	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin	0.5	mg/kg	-	< 0.5	< 0.5	-
Aniline	0.5	mg/kg	-	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
b-HCH	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	-
Benzyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	< 5	< 5	-
Butyl benzyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	-
d-HCH	0.5	mg/kg	-	< 0.5	< 0.5	-
Di-n-butyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Di-n-octyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenz(a.j)acridine	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenzofuran	0.5	mg/kg	-	< 0.5	< 0.5	-
Dieldrin	0.5	mg/kg	-	< 0.5	< 0.5	-
Diethyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Dimethyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Dimethylaminoazobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Diphenylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
Endosulfan I	0.5	mg/kg	-	< 0.5	< 0.5	-
Endosulfan II	0.5	mg/kg	-	< 0.5	< 0.5	-
Endosulfan sulphate	0.5	mg/kg	-	< 0.5	< 0.5	-
Endrin	0.5	mg/kg	-	< 0.5	< 0.5	-
Endrin aldehyde	0.5	mg/kg	-	< 0.5	< 0.5	-
Endrin ketone	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	-
g-HCH (Lindane)	0.5	mg/kg	-	< 0.5	< 0.5	-
Heptachlor	0.5	mg/kg	-	< 0.5	< 0.5	-
Heptachlor epoxide	0.5	mg/kg	-	< 0.5	< 0.5	-
Hexachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Hexachlorobutadiene	0.5	mg/kg	-	< 0.5	< 0.5	-
Hexachlorocyclopentadiene	1	mg/kg	-	< 1	< 1	-
Hexachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Methoxychlor	0.5	mg/kg	-	< 0.5	< 0.5	-
N-Nitrosodibutylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
N-Nitrosodipropylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
N-Nitrosopiperidine	0.5	mg/kg	-	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
Nitrobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Nitrobenzene-d5 (surr.)	1	%	-	59	64	-
Pentachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pentachloronitrobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pentachlorophenol	1	mg/kg	-	< 1	< 1	-
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenol	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenol-d6 (surr.)	1	%	-	56	58	-
Pronamide	0.5	mg/kg	-	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trifluralin	0.5	mg/kg	-	< 0.5	< 0.5	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	< 0.5	< 0.5	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Ammonia (as N)	5	mg/kg	-	< 5	< 5	< 5
Nitrate & Nitrite (as N)	5	mg/kg	-	< 5	< 5	< 5
Nitrate (as N)	5	mg/kg	-	< 5	< 5	< 5
Nitrite (as N)	5	mg/kg	-	< 5	< 5	< 5
Organic Nitrogen (as N)*	10	mg/kg	-	480	2500	2100
Phosphorus reactive (as P)	0.1	mg/kg	-	1.1	0.4	0.1
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	480	2500	2100
Total Nitrogen (as N)*	10	mg/kg	-	480	2500	2100
Heavy Metals						
Phosphorus	10	mg/kg	-	860	1200	1300
Heavy Metals						
Arsenic	2	mg/kg	-	9.1	3.5	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	-
Chromium	5	mg/kg	-	20	45	-
Copper	5	mg/kg	-	6.1	44	-
Lead	5	mg/kg	-	< 5	13	-
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	-
Nickel	5	mg/kg	-	49	62	-
Zinc	5	mg/kg	-	26	120	-
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Sample Properties						
% Moisture	1	%	-	9.2	18	9.6
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	< 5	-
13C4-PFBA (surr.)	1	%	-	116	117	-
13C5-PFPeA (surr.)	1	%	-	121	117	-
13C5-PFHxA (surr.)	1	%	-	135	136	-
13C4-PFHpA (surr.)	1	%	-	135	112	-
13C8-PFOA (surr.)	1	%	-	118	127	-
13C5-PFNA (surr.)	1	%	-	125	130	-
13C6-PFDA (surr.)	1	%	-	126	131	-
13C2-PFUnDA (surr.)	1	%	-	143	154	-
13C2-PFDoDA (surr.)	1	%	-	124	137	-
13C2-PFTeDA (surr.)	1	%	-	123	137	-

Client Sample ID			TP17/0.1	[G01]TP17/0.5	[G01]TP16/0.1	TP16/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070256	S24-Oc0070257	S24-Oc0070258	S24-Oc0070259
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	< 10	-
13C8-FOSA (surr.)	1	%	-	113	115	-
D3-N-MeFOSA (surr.)	1	%	-	109	101	-
D5-N-EtFOSA (surr.)	1	%	-	128	122	-
D7-N-MeFOSE (surr.)	1	%	-	106	102	-
D9-N-EtFOSE (surr.)	1	%	-	99	109	-
D5-N-EtFOSAA (surr.)	1	%	-	126	152	-
D3-N-MeFOSAA (surr.)	1	%	-	131	139	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]75	< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	< 5	-
13C3-PFBS (surr.)	1	%	-	124	129	-
18O2-PFHxS (surr.)	1	%	-	114	121	-
13C8-PFOS (surr.)	1	%	-	122	129	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
13C2-4:2 FTSA (surr.)	1	%	-	109	96	-
13C2-6:2 FTSA (surr.)	1	%	-	100	119	-
13C2-8:2 FTSA (surr.)	1	%	-	106	112	-
13C2-10:2 FTSA (surr.)	1	%	-	INT	190	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	75	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	75	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	75	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	75	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	-	75	< 50	-

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
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	250	< 50	-	63
TRH C29-C36	50	mg/kg	280	100	-	74
TRH C10-C36 (Total)	50	mg/kg	530	100	-	137
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
TRH >C16-C34	100	mg/kg	470	110	-	110
TRH >C34-C40	100	mg/kg	160	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	630	110	-	110
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	%	95	89	-	96
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	96
Toluene-d8 (surr.)	1	%	-	-	-	87
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 1	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
a-HCH	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Aldrin	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
b-HCH	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
d-HCH	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Endrin	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Toxaphene	0.5	mg/kg	< 10	< 10	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.5	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	146	113	-	81
Tetrachloro-m-xylene (surr.)	1	%	122	134	-	104
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Bolstar	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Coumaphos	2	mg/kg	< 5	< 5	-	< 2
Demeton-S	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Diazinon	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Disulfoton	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
EPN	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Ethion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Fenthion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Malathion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Merphos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Monocrotophos	2	mg/kg	< 5	< 5	-	< 2
Naled	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Omethoate	2	mg/kg	< 5	< 5	-	< 2
Phorate	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Pyrazophos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Ronnel	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Terbufos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Tokuthion	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Trichloronate	0.2	mg/kg	< 0.5	< 0.5	-	< 0.2
Triphenylphosphate (surr.)	1	%	127	130	-	66

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 1	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 1	< 1	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 1	< 1	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 1	< 1	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 1	< 1	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 1	< 1	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 1	< 1	-	< 0.1
Total PCB*	0.1	mg/kg	< 1	< 1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	146	113	-	81
Tetrachloro-m-xylene (surr.)	1	%	122	134	-	104
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	-	< 5
1-Chloronaphthalene	0.5	mg/kg	-	-	-	< 0.5
1-Naphthylamine	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Chloronaphthalene	0.5	mg/kg	-	-	-	< 0.5
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	95
2-Methylnaphthalene	0.5	mg/kg	-	-	-	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
2-Naphthylamine	0.5	mg/kg	-	-	-	< 0.5
2-Nitroaniline	1	mg/kg	-	-	-	< 1
2-Nitrophenol	1	mg/kg	-	-	-	< 1
2-Picoline	0.5	mg/kg	-	-	-	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2.4-Dinitrotoluene	0.5	mg/kg	-	-	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.4.6-Tribromophenol (surr.)	1	%	-	-	-	INT
2.4.6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.6-Dinitrotoluene	1	mg/kg	-	-	-	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
3-Methylcholanthrene	0.5	mg/kg	-	-	-	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	-	-	-	< 0.5
4-Aminobiphenyl	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
4-Nitrophenol	5	mg/kg	-	-	-	< 5
4.4'-DDD	0.5	mg/kg	-	-	-	< 0.5
4.4'-DDE	0.5	mg/kg	-	-	-	< 0.5
4.4'-DDT	1	mg/kg	-	-	-	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
a-HCH	0.5	mg/kg	-	-	-	< 0.5
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Acetophenone	0.5	mg/kg	-	-	-	< 0.5
Aldrin	0.5	mg/kg	-	-	-	< 0.5
Aniline	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
b-HCH	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
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
Benzyl chloride	0.5	mg/kg	-	-	-	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	-	-	< 5
Butyl benzyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
d-HCH	0.5	mg/kg	-	-	-	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	-	-	-	< 0.5
Dibenzofuran	0.5	mg/kg	-	-	-	< 0.5
Dieldrin	0.5	mg/kg	-	-	-	< 0.5
Diethyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Dimethyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	-	-	-	< 0.5
Diphenylamine	0.5	mg/kg	-	-	-	< 0.5
Endosulfan I	0.5	mg/kg	-	-	-	< 0.5
Endosulfan II	0.5	mg/kg	-	-	-	< 0.5
Endosulfan sulphate	0.5	mg/kg	-	-	-	< 0.5
Endrin	0.5	mg/kg	-	-	-	< 0.5
Endrin aldehyde	0.5	mg/kg	-	-	-	< 0.5
Endrin ketone	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
g-HCH (Lindane)	0.5	mg/kg	-	-	-	< 0.5
Heptachlor	0.5	mg/kg	-	-	-	< 0.5
Heptachlor epoxide	0.5	mg/kg	-	-	-	< 0.5
Hexachlorobenzene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Hexachlorobutadiene	0.5	mg/kg	-	-	-	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	-	-	-	< 1
Hexachloroethane	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Methoxychlor	0.5	mg/kg	-	-	-	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	-	-	-	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	-	-	-	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Nitrobenzene	0.5	mg/kg	-	-	-	< 0.5
Nitrobenzene-d5 (surr.)	1	%	-	-	-	69
Pentachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	-	-	-	< 0.5
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	70
Pronamide	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Trifluralin	0.5	mg/kg	-	-	-	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	-	-	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	-	-	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	-	-	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	-	-	< 0.5
Ammonia (as N)	5	mg/kg	< 50	< 5	-	< 5
Nitrate & Nitrite (as N)	5	mg/kg	58	23	-	< 5
Nitrate (as N)	5	mg/kg	57	23	-	< 5
Nitrite (as N)	5	mg/kg	< 5	< 5	-	< 5
Organic Nitrogen (as N)*	10	mg/kg	16000	4600	-	1300
Phosphorus reactive (as P)	0.1	mg/kg	3.6	0.9	-	0.6
Total Kjeldahl Nitrogen (as N)	10	mg/kg	16000	4600	-	1300
Total Nitrogen (as N)*	10	mg/kg	16000	4600	-	1300
Heavy Metals						
Phosphorus	10	mg/kg	3900	2100	-	1500
Heavy Metals						
Arsenic	2	mg/kg	4.0	10	-	4.4
Cadmium	0.4	mg/kg	1.0	0.7	-	0.5
Chromium	5	mg/kg	18	28	-	50
Copper	5	mg/kg	70	39	-	23
Lead	5	mg/kg	13	23	-	5.7
Mercury	0.1	mg/kg	0.1	< 0.1	-	< 0.1
Nickel	5	mg/kg	20	36	-	78
Zinc	5	mg/kg	170	210	-	77
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	45	20	-	13
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	7.1	< 5	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	27	< 5	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	8.8	< 5	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	-	< 5
13C4-PFBA (surr.)	1	%	100	98	-	116
13C5-PFPeA (surr.)	1	%	113	107	-	125
13C5-PFHxA (surr.)	1	%	118	115	-	129
13C4-PFHpA (surr.)	1	%	125	117	-	126
13C8-PFOA (surr.)	1	%	121	113	-	115
13C5-PFNA (surr.)	1	%	122	111	-	128
13C6-PFDA (surr.)	1	%	125	122	-	135
13C2-PFUnDA (surr.)	1	%	116	122	-	147
13C2-PFDoDA (surr.)	1	%	138	115	-	126
13C2-PFTeDA (surr.)	1	%	144	130	-	128
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	-	< 10
13C8-FOSA (surr.)	1	%	105	100	-	109
D3-N-MeFOSA (surr.)	1	%	123	136	-	114
D5-N-EtFOSA (surr.)	1	%	115	144	-	116
D7-N-MeFOSE (surr.)	1	%	109	109	-	106
D9-N-EtFOSE (surr.)	1	%	105	103	-	104
D5-N-EtFOSAA (surr.)	1	%	116	119	-	149
D3-N-MeFOSAA (surr.)	1	%	114	114	-	138
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	7.6	< 5	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	-	< 5

Client Sample ID			TP22/1.0	TP23/0.3	TP15/0.1	[G01]TP15/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070260	S24-Oc0070261	S24-Oc0070262	S24-Oc0070263
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	-	< 5
13C3-PFBS (surr.)	1	%	111	111	-	129
18O2-PFHxS (surr.)	1	%	114	112	-	124
13C8-PFOS (surr.)	1	%	118	104	-	122
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	< 5
13C2-4:2 FTSA (surr.)	1	%	181	103	-	107
13C2-6:2 FTSA (surr.)	1	%	115	110	-	94
13C2-8:2 FTSA (surr.)	1	%	132	103	-	110
13C2-10:2 FTSA (surr.)	1	%	INT	163	-	192
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	8.8	< 5	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	8.8	< 5	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	50.5	< 10	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	50.5	< 50	-	< 50
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	%	108	99	-	-
p-Terphenyl-d14 (surr.)	1	%	123	113	-	-

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
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	-
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	%	-	83	86	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroform	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	83	86	-
Toluene-d8 (surr.)	1	%	-	77	119	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
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	-

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	-
Dibutylchlorendate (surr.)	1	%	-	66	95	-
Tetrachloro-m-xylene (surr.)	1	%	-	70	129	-
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	-
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	97	-

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	66	95	-
Tetrachloro-m-xylene (surr.)	1	%	-	70	129	-
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 1	< 1	-
Total PAH*	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	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	< 5	-
1-Chloronaphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
1-Naphthylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3-Trichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4-Trichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3.5-Trichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Chloronaphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Chlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	72	142	-
2-Methylnaphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	< 0.2	-
2-Naphthylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Nitroaniline	1	mg/kg	-	< 1	< 1	-
2-Nitrophenol	1	mg/kg	-	< 1	< 1	-
2-Picoline	0.5	mg/kg	-	< 0.5	< 0.5	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	< 5	< 5	-
2.4-Dinitrotoluene	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	< 1	-
2.4.6-Tribromophenol (surr.)	1	%	-	75	74	-
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	-
2.6-Dinitrotoluene	1	mg/kg	-	< 1	< 1	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	< 0.4	-

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
3-Methylcholanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
3.3'-Dichlorobenzidine	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Aminobiphenyl	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	< 1	-
4-Nitrophenol	5	mg/kg	-	< 5	< 5	-
4.4'-DDD	0.5	mg/kg	-	< 0.5	< 0.5	-
4.4'-DDE	0.5	mg/kg	-	< 0.5	< 0.5	-
4.4'-DDT	1	mg/kg	-	< 1	< 1	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
a-HCH	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acetophenone	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin	0.5	mg/kg	-	< 0.5	< 0.5	-
Aniline	0.5	mg/kg	-	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
b-HCH	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	-
Benzyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	< 5	< 5	-
Butyl benzyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	-
d-HCH	0.5	mg/kg	-	< 0.5	< 0.5	-
Di-n-butyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Di-n-octyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenz(a.j)acridine	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenzofuran	0.5	mg/kg	-	< 0.5	< 0.5	-
Dieldrin	0.5	mg/kg	-	< 0.5	< 0.5	-
Diethyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Dimethyl phthalate	0.5	mg/kg	-	< 0.5	< 0.5	-
Dimethylaminoazobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Diphenylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
Endosulfan I	0.5	mg/kg	-	< 0.5	< 0.5	-
Endosulfan II	0.5	mg/kg	-	< 0.5	< 0.5	-
Endosulfan sulphate	0.5	mg/kg	-	< 0.5	< 0.5	-
Endrin	0.5	mg/kg	-	< 0.5	< 0.5	-
Endrin aldehyde	0.5	mg/kg	-	< 0.5	< 0.5	-
Endrin ketone	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	-
g-HCH (Lindane)	0.5	mg/kg	-	< 0.5	< 0.5	-
Heptachlor	0.5	mg/kg	-	< 0.5	< 0.5	-
Heptachlor epoxide	0.5	mg/kg	-	< 0.5	< 0.5	-
Hexachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Hexachlorobutadiene	0.5	mg/kg	-	< 0.5	< 0.5	-
Hexachlorocyclopentadiene	1	mg/kg	-	< 1	< 1	-
Hexachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Methoxychlor	0.5	mg/kg	-	< 0.5	< 0.5	-
N-Nitrosodibutylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
N-Nitrosodipropylamine	0.5	mg/kg	-	< 0.5	< 0.5	-
N-Nitrosopiperidine	0.5	mg/kg	-	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
Nitrobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Nitrobenzene-d5 (surr.)	1	%	-	79	69	-
Pentachlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pentachloronitrobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pentachlorophenol	1	mg/kg	-	< 1	< 1	-
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenol	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenol-d6 (surr.)	1	%	-	70	129	-
Pronamide	0.5	mg/kg	-	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trifluralin	0.5	mg/kg	-	< 0.5	< 0.5	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	< 0.5	< 0.5	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	< 0.5	< 0.5	-
Ammonia (as N)	5	mg/kg	< 5	< 5	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	< 5	< 5	< 5	-
Nitrate (as N)	5	mg/kg	< 5	< 5	< 5	-
Nitrite (as N)	5	mg/kg	< 5	< 5	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	1500	2900	6300	-
Phosphorus reactive (as P)	0.1	mg/kg	0.1	0.4	1.2	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	1500	2900	6300	-
Total Nitrogen (as N)*	10	mg/kg	1500	2900	6300	-
Heavy Metals						
Phosphorus	10	mg/kg	430	1100	1400	-
Heavy Metals						
Arsenic	2	mg/kg	-	4.6	4.6	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	-
Chromium	5	mg/kg	-	13	18	-
Copper	5	mg/kg	-	< 5	< 5	-
Lead	5	mg/kg	-	< 5	< 5	-
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	-
Nickel	5	mg/kg	-	34	48	-
Zinc	5	mg/kg	-	9.3	29	-
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	11	11	25	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	< 5	-
13C4-PFBA (surr.)	1	%	-	105	97	-
13C5-PFPeA (surr.)	1	%	-	118	107	-
13C5-PFHxA (surr.)	1	%	-	116	118	-
13C4-PFHpA (surr.)	1	%	-	112	98	-
13C8-PFOA (surr.)	1	%	-	118	116	-
13C5-PFNA (surr.)	1	%	-	114	112	-
13C6-PFDA (surr.)	1	%	-	126	118	-
13C2-PFUnDA (surr.)	1	%	-	140	130	-
13C2-PFDoDA (surr.)	1	%	-	134	122	-
13C2-PFTeDA (surr.)	1	%	-	131	133	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	< 10	-
13C8-FOSA (surr.)	1	%	-	115	112	-
D3-N-MeFOSA (surr.)	1	%	-	126	111	-
D5-N-EtFOSA (surr.)	1	%	-	135	124	-
D7-N-MeFOSE (surr.)	1	%	-	112	109	-
D9-N-EtFOSE (surr.)	1	%	-	115	107	-
D5-N-EtFOSAA (surr.)	1	%	-	115	116	-
D3-N-MeFOSAA (surr.)	1	%	-	130	127	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	< 5	-

Client Sample ID			TP01/0.1	[G01]TP01/0.5	[G01]TP02/0.1	TP02/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070264	S24-Oc0070265	S24-Oc0070266	S24-Oc0070267
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	< 5	-
13C3-PFBS (surr.)	1	%	-	118	106	-
18O2-PFHxS (surr.)	1	%	-	106	102	-
13C8-PFOS (surr.)	1	%	-	126	113	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
13C2-4:2 FTSA (surr.)	1	%	-	102	108	-
13C2-6:2 FTSA (surr.)	1	%	-	99	101	-
13C2-8:2 FTSA (surr.)	1	%	-	132	68	-
13C2-10:2 FTSA (surr.)	1	%	-	165	184	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	< 50	-

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
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
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

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.1	mg/kg	< 0.1	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	136	-	-	108
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	108
Toluene-d8 (surr.)	1	%	-	-	-	86
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
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
Dibutylchlorendate (surr.)	1	%	106	-	-	65
Tetrachloro-m-xylene (surr.)	1	%	92	-	-	86
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

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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
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	%	98	-	-	67
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	106	-	-	65
Tetrachloro-m-xylene (surr.)	1	%	92	-	-	86
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	-	< 5

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
1-Chloronaphthalene	0.5	mg/kg	-	-	-	< 0.5
1-Naphthylamine	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Chloronaphthalene	0.5	mg/kg	-	-	-	< 0.5
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	66
2-Methylnaphthalene	0.5	mg/kg	-	-	-	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
2-Naphthylamine	0.5	mg/kg	-	-	-	< 0.5
2-Nitroaniline	1	mg/kg	-	-	-	< 1
2-Nitrophenol	1	mg/kg	-	-	-	< 1
2-Picoline	0.5	mg/kg	-	-	-	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2.4-Dinitrotoluene	0.5	mg/kg	-	-	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.4.6-Tribromophenol (surr.)	1	%	-	-	-	94
2.4.6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.6-Dinitrotoluene	1	mg/kg	-	-	-	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
3-Methylcholanthrene	0.5	mg/kg	-	-	-	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	-	-	-	< 0.5
4-Aminobiphenyl	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
4-Nitrophenol	5	mg/kg	-	-	-	< 5
4.4'-DDD	0.5	mg/kg	-	-	-	< 0.5
4.4'-DDE	0.5	mg/kg	-	-	-	< 0.5
4.4'-DDT	1	mg/kg	-	-	-	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
a-HCH	0.5	mg/kg	-	-	-	< 0.5
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Acetophenone	0.5	mg/kg	-	-	-	< 0.5
Aldrin	0.5	mg/kg	-	-	-	< 0.5
Aniline	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
b-HCH	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
Benzyl chloride	0.5	mg/kg	-	-	-	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	-	-	< 5
Butyl benzyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
d-HCH	0.5	mg/kg	-	-	-	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	-	-	-	< 0.5
Dibenzofuran	0.5	mg/kg	-	-	-	< 0.5
Dieldrin	0.5	mg/kg	-	-	-	< 0.5
Diethyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Dimethyl phthalate	0.5	mg/kg	-	-	-	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	-	-	-	< 0.5
Diphenylamine	0.5	mg/kg	-	-	-	< 0.5
Endosulfan I	0.5	mg/kg	-	-	-	< 0.5
Endosulfan II	0.5	mg/kg	-	-	-	< 0.5
Endosulfan sulphate	0.5	mg/kg	-	-	-	< 0.5
Endrin	0.5	mg/kg	-	-	-	< 0.5
Endrin aldehyde	0.5	mg/kg	-	-	-	< 0.5
Endrin ketone	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
g-HCH (Lindane)	0.5	mg/kg	-	-	-	< 0.5
Heptachlor	0.5	mg/kg	-	-	-	< 0.5
Heptachlor epoxide	0.5	mg/kg	-	-	-	< 0.5
Hexachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Hexachlorobutadiene	0.5	mg/kg	-	-	-	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	-	-	-	< 1
Hexachloroethane	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Methoxychlor	0.5	mg/kg	-	-	-	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	-	-	-	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	-	-	-	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Nitrobenzene	0.5	mg/kg	-	-	-	< 0.5
Nitrobenzene-d5 (surr.)	1	%	-	-	-	INT
Pentachlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	-	-	-	< 0.5
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	63
Pronamide	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Trifluralin	0.5	mg/kg	-	-	-	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	-	-	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	-	-	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	-	-	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	-	-	< 0.5
Ammonia (as N)	5	mg/kg	< 5	-	< 5	< 5
Nitrate & Nitrite (as N)	5	mg/kg	< 5	-	< 5	< 5
Nitrate (as N)	5	mg/kg	< 5	-	< 5	< 5
Nitrite (as N)	5	mg/kg	< 5	-	< 5	< 5
Organic Nitrogen (as N)*	10	mg/kg	1600	-	61	410
Phosphorus reactive (as P)	0.1	mg/kg	0.2	-	1.2	0.8
Total Kjeldahl Nitrogen (as N)	10	mg/kg	1600	-	61	410
Total Nitrogen (as N)*	10	mg/kg	1600	-	61	410
Heavy Metals						
Phosphorus	10	mg/kg	690	-	350	300
Heavy Metals						
Arsenic	2	mg/kg	4.5	-	-	< 2
Cadmium	0.4	mg/kg	< 0.4	-	-	< 0.4
Chromium	5	mg/kg	13	-	-	8.9
Copper	5	mg/kg	< 5	-	-	8.5
Lead	5	mg/kg	< 5	-	-	5.3
Mercury	0.1	mg/kg	< 0.1	-	-	< 0.1
Nickel	5	mg/kg	35	-	-	15
Zinc	5	mg/kg	13	-	-	73
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Sample Properties						
% Moisture	1	%	12	-	4.0	3.1
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	-	< 5
13C4-PFBA (surr.)	1	%	101	-	-	121
13C5-PFPeA (surr.)	1	%	114	-	-	122
13C5-PFHxA (surr.)	1	%	110	-	-	144

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C4-PFHpA (surr.)	1	%	107	-	-	125
13C8-PFOA (surr.)	1	%	106	-	-	121
13C5-PFNA (surr.)	1	%	113	-	-	125
13C6-PFDA (surr.)	1	%	117	-	-	126
13C2-PFUnDA (surr.)	1	%	125	-	-	136
13C2-PFDoDA (surr.)	1	%	136	-	-	129
13C2-PFTeDA (surr.)	1	%	123	-	-	148
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	-	< 10
13C8-FOSA (surr.)	1	%	113	-	-	116
D3-N-MeFOSA (surr.)	1	%	116	-	-	115
D5-N-EtFOSA (surr.)	1	%	132	-	-	116
D7-N-MeFOSE (surr.)	1	%	116	-	-	100
D9-N-EtFOSE (surr.)	1	%	113	-	-	113
D5-N-EtFOSAA (surr.)	1	%	123	-	-	128
D3-N-MeFOSAA (surr.)	1	%	126	-	-	132
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	-	< 5
13C3-PFBS (surr.)	1	%	107	-	-	127
18O2-PFHxS (surr.)	1	%	107	-	-	116
13C8-PFOS (surr.)	1	%	117	-	-	118
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	105	-	-	116
13C2-6:2 FTSA (surr.)	1	%	116	-	-	104
13C2-8:2 FTSA (surr.)	1	%	96	-	-	152
13C2-10:2 FTSA (surr.)	1	%	153	-	-	188

Client Sample ID			TP03/0.1	TP03/0.5	TP04/0.1	[G01]TP04/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070268	S24-Oc0070269	S24-Oc0070270	S24-Oc0070271
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	-	< 50
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	-	-	-
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	%	115	-	-	-
p-Terphenyl-d14 (surr.)	1	%	81	-	-	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
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	-
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	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
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	%	97	-	110	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	97	-	-	-
Toluene-d8 (surr.)	1	%	94	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
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	-
Dibutylchlorendate (surr.)	1	%	74	-	147	-
Tetrachloro-m-xylene (surr.)	1	%	86	-	124	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
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	-
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	%	81	-	118	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	74	-	147	-
Tetrachloro-m-xylene (surr.)	1	%	86	-	124	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	-	-
Total PAH*	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	-	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-	-
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	-
1-Naphthylamine	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	-
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	-
2-Fluorobiphenyl (surr.)	1	%	83	-	-	-
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-	-
2-Naphthylamine	0.5	mg/kg	< 0.5	-	-	-
2-Nitroaniline	1	mg/kg	< 1	-	-	-
2-Nitrophenol	1	mg/kg	< 1	-	-	-
2-Picoline	0.5	mg/kg	< 0.5	-	-	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	-	-
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	-	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.4.6-Tribromophenol (surr.)	1	%	57	-	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.6-Dinitrotoluene	1	mg/kg	< 1	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	-
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	-	-
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	-	-
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	-
4-Nitrophenol	5	mg/kg	< 5	-	-	-
4.4'-DDD	0.5	mg/kg	< 0.5	-	-	-
4.4'-DDE	0.5	mg/kg	< 0.5	-	-	-
4.4'-DDT	1	mg/kg	< 1	-	-	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
a-HCH	0.5	mg/kg	< 0.5	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Acetophenone	0.5	mg/kg	< 0.5	-	-	-
Aldrin	0.5	mg/kg	< 0.5	-	-	-
Aniline	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
b-HCH	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-
Benzyl chloride	0.5	mg/kg	< 0.5	-	-	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	-	-
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
d-HCH	0.5	mg/kg	< 0.5	-	-	-
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	-	-
Dibenzofuran	0.5	mg/kg	< 0.5	-	-	-
Dieldrin	0.5	mg/kg	< 0.5	-	-	-
Diethyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	-	-
Diphenylamine	0.5	mg/kg	< 0.5	-	-	-
Endosulfan I	0.5	mg/kg	< 0.5	-	-	-
Endosulfan II	0.5	mg/kg	< 0.5	-	-	-
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	-	-
Endrin	0.5	mg/kg	< 0.5	-	-	-
Endrin aldehyde	0.5	mg/kg	< 0.5	-	-	-
Endrin ketone	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	-	-
Heptachlor	0.5	mg/kg	< 0.5	-	-	-
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	-	-
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	-	-
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	-	-
Hexachloroethane	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Methoxychlor	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Nitrobenzene	0.5	mg/kg	< 0.5	-	-	-
Nitrobenzene-d5 (surr.)	1	%	73	-	-	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Phenol	0.5	mg/kg	< 0.5	-	-	-
Phenol-d6 (surr.)	1	%	71	-	-	-
Pronamide	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Trifluralin	0.5	mg/kg	< 0.5	-	-	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	-	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	-	-
Ammonia (as N)	5	mg/kg	< 5	-	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	5.6	-	< 5	-
Nitrate (as N)	5	mg/kg	5.4	-	< 5	-
Nitrite (as N)	5	mg/kg	< 5	-	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	5600	-	370	-
Phosphorus reactive (as P)	0.1	mg/kg	0.7	-	0.3	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	5600	-	370	-
Total Nitrogen (as N)*	10	mg/kg	5600	-	370	-
Heavy Metals						
Phosphorus	10	mg/kg	600	-	310	-
Heavy Metals						
Arsenic	2	mg/kg	3.0	-	2.4	-
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	-
Chromium	5	mg/kg	10	-	6.2	-
Copper	5	mg/kg	< 5	-	< 5	-
Lead	5	mg/kg	< 5	-	< 5	-
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	-
Nickel	5	mg/kg	20	-	16	-
Zinc	5	mg/kg	16	-	< 5	-
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Sample Properties						
% Moisture	1	%	14	-	-	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	< 5	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	< 5	-
13C4-PFBA (surr.)	1	%	107	-	106	-
13C5-PFPeA (surr.)	1	%	121	-	120	-
13C5-PFHxA (surr.)	1	%	124	-	134	-
13C4-PFHpA (surr.)	1	%	115	-	119	-
13C8-PFOA (surr.)	1	%	111	-	109	-
13C5-PFNA (surr.)	1	%	122	-	117	-
13C6-PFDA (surr.)	1	%	129	-	136	-
13C2-PFUnDA (surr.)	1	%	134	-	143	-
13C2-PFDoDA (surr.)	1	%	132	-	132	-
13C2-PFTeDA (surr.)	1	%	141	-	128	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	< 10	-
13C8-FOSA (surr.)	1	%	110	-	120	-
D3-N-MeFOSA (surr.)	1	%	133	-	128	-
D5-N-EtFOSA (surr.)	1	%	141	-	133	-
D7-N-MeFOSE (surr.)	1	%	117	-	119	-
D9-N-EtFOSE (surr.)	1	%	112	-	112	-
D5-N-EtFOSAA (surr.)	1	%	133	-	111	-
D3-N-MeFOSAA (surr.)	1	%	123	-	120	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	< 5	-
13C3-PFBS (surr.)	1	%	112	-	117	-
18O2-PFHxS (surr.)	1	%	113	-	115	-
13C8-PFOS (surr.)	1	%	117	-	120	-

Client Sample ID			[G01]TP05/0.1	TP05/0.5	TP12/0.5	TP12/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070272	S24-Oc0070273	S24-Oc0070274	S24-Oc0070275
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
13C2-4:2 FTSA (surr.)	1	%	111	-	115	-
13C2-6:2 FTSA (surr.)	1	%	87	-	102	-
13C2-8:2 FTSA (surr.)	1	%	96	-	142	-
13C2-10:2 FTSA (surr.)	1	%	182	-	120	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	< 50	-
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	-
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	%	-	-	117	-
p-Terphenyl-d14 (surr.)	1	%	-	-	113	-

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
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	-
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	%	128	-	103	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	103	-
Toluene-d8 (surr.)	1	%	-	-	94	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
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	-

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	-
Dibutylchlorendate (surr.)	1	%	55	-	63	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	91	-
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	-
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	%	54	-	58	-

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	55	-	63	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	91	-
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 1	-
Total PAH*	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	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-
1-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	-
1-Naphthylamine	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	-
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	-	86	-
2-Methylnaphthalene	0.5	mg/kg	-	-	< 0.5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
2-Naphthylamine	0.5	mg/kg	-	-	< 0.5	-
2-Nitroaniline	1	mg/kg	-	-	< 1	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2-Picoline	0.5	mg/kg	-	-	< 0.5	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2.4-Dinitrotoluene	0.5	mg/kg	-	-	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Tribromophenol (surr.)	1	%	-	-	51	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.6-Dinitrotoluene	1	mg/kg	-	-	< 1	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
3-Methylcholanthrene	0.5	mg/kg	-	-	< 0.5	-
3.3'-Dichlorobenzidine	0.5	mg/kg	-	-	< 0.5	-
4-Aminobiphenyl	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
4.4'-DDD	0.5	mg/kg	-	-	< 0.5	-
4.4'-DDE	0.5	mg/kg	-	-	< 0.5	-
4.4'-DDT	1	mg/kg	-	-	< 1	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
a-HCH	0.5	mg/kg	-	-	< 0.5	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Acetophenone	0.5	mg/kg	-	-	< 0.5	-
Aldrin	0.5	mg/kg	-	-	< 0.5	-
Aniline	0.5	mg/kg	-	-	< 0.5	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
b-HCH	0.5	mg/kg	-	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
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	-
Benzyl chloride	0.5	mg/kg	-	-	< 0.5	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	-	< 5	-
Butyl benzyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
d-HCH	0.5	mg/kg	-	-	< 0.5	-
Di-n-butyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Di-n-octyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.j)acridine	0.5	mg/kg	-	-	< 0.5	-
Dibenzofuran	0.5	mg/kg	-	-	< 0.5	-
Dieldrin	0.5	mg/kg	-	-	< 0.5	-
Diethyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Dimethyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Dimethylaminoazobenzene	0.5	mg/kg	-	-	< 0.5	-
Diphenylamine	0.5	mg/kg	-	-	< 0.5	-
Endosulfan I	0.5	mg/kg	-	-	< 0.5	-
Endosulfan II	0.5	mg/kg	-	-	< 0.5	-
Endosulfan sulphate	0.5	mg/kg	-	-	< 0.5	-
Endrin	0.5	mg/kg	-	-	< 0.5	-
Endrin aldehyde	0.5	mg/kg	-	-	< 0.5	-
Endrin ketone	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-
g-HCH (Lindane)	0.5	mg/kg	-	-	< 0.5	-
Heptachlor	0.5	mg/kg	-	-	< 0.5	-
Heptachlor epoxide	0.5	mg/kg	-	-	< 0.5	-
Hexachlorobenzene	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Hexachlorobutadiene	0.5	mg/kg	-	-	< 0.5	-
Hexachlorocyclopentadiene	1	mg/kg	-	-	< 1	-
Hexachloroethane	0.5	mg/kg	-	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Methoxychlor	0.5	mg/kg	-	-	< 0.5	-
N-Nitrosodibutylamine	0.5	mg/kg	-	-	< 0.5	-
N-Nitrosodipropylamine	0.5	mg/kg	-	-	< 0.5	-
N-Nitrosopiperidine	0.5	mg/kg	-	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Nitrobenzene	0.5	mg/kg	-	-	< 0.5	-
Nitrobenzene-d5 (surr.)	1	%	-	-	67	-
Pentachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Pentachloronitrobenzene	0.5	mg/kg	-	-	< 0.5	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Phenanthrene	0.5	mg/kg	-	-	< 0.5	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	64	-
Pronamide	0.5	mg/kg	-	-	< 0.5	-
Pyrene	0.5	mg/kg	-	-	< 0.5	-
Trifluralin	0.5	mg/kg	-	-	< 0.5	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	-	< 0.5	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	-	< 0.5	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	-	< 0.5	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	-	< 0.5	-
Ammonia (as N)	5	mg/kg	< 5	-	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	< 5	-	< 5	-
Nitrate (as N)	5	mg/kg	< 5	-	< 5	-
Nitrite (as N)	5	mg/kg	< 5	-	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	1300	-	1500	-
Phosphorus reactive (as P)	0.1	mg/kg	0.7	-	0.3	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	1300	-	1500	-
Total Nitrogen (as N)*	10	mg/kg	1300	-	1500	-
Heavy Metals						
Phosphorus	10	mg/kg	2300	-	1400	-
Heavy Metals						
Arsenic	2	mg/kg	8.3	-	6.7	-
Cadmium	0.4	mg/kg	0.6	-	< 0.4	-
Chromium	5	mg/kg	24	-	35	-
Copper	5	mg/kg	8.8	-	17	-
Lead	5	mg/kg	< 5	-	< 5	-
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	-
Nickel	5	mg/kg	50	-	50	-
Zinc	5	mg/kg	36	-	85	-
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	10	-	12	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	< 5	-
13C4-PFBA (surr.)	1	%	119	-	116	-
13C5-PFPeA (surr.)	1	%	114	-	126	-
13C5-PFHxA (surr.)	1	%	130	-	122	-
13C4-PFHpA (surr.)	1	%	123	-	124	-
13C8-PFOA (surr.)	1	%	123	-	119	-
13C5-PFNA (surr.)	1	%	139	-	133	-
13C6-PFDA (surr.)	1	%	132	-	126	-
13C2-PFUnDA (surr.)	1	%	156	-	151	-
13C2-PFDoDA (surr.)	1	%	125	-	136	-
13C2-PFTeDA (surr.)	1	%	141	-	131	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	< 10	-
13C8-FOSA (surr.)	1	%	109	-	113	-
D3-N-MeFOSA (surr.)	1	%	126	-	112	-
D5-N-EtFOSA (surr.)	1	%	117	-	121	-
D7-N-MeFOSE (surr.)	1	%	102	-	102	-
D9-N-EtFOSE (surr.)	1	%	111	-	101	-
D5-N-EtFOSAA (surr.)	1	%	131	-	156	-
D3-N-MeFOSAA (surr.)	1	%	129	-	148	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	< 5	-

Client Sample ID			TP13/0.1	TP13/0.5	[G01]TP14/0.1	TP14/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070276	S24-Oc0070277	S24-Oc0070278	S24-Oc0070279
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	< 5	-
13C3-PFBS (surr.)	1	%	124	-	127	-
18O2-PFHxS (surr.)	1	%	124	-	112	-
13C8-PFOS (surr.)	1	%	121	-	119	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	-
13C2-4:2 FTSA (surr.)	1	%	117	-	110	-
13C2-6:2 FTSA (surr.)	1	%	99	-	131	-
13C2-8:2 FTSA (surr.)	1	%	101	-	91	-
13C2-10:2 FTSA (surr.)	1	%	182	-	INT	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	< 50	-
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	-	-	-
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	%	83	-	-	-
p-Terphenyl-d14 (surr.)	1	%	80	-	-	-

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	58	< 50	94
TRH C10-C36 (Total)	50	mg/kg	< 50	58	< 50	94
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	95	114	99	76
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	95	-	99	76
Toluene-d8 (surr.)	1	%	90	-	76	64
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	74	115	92	86
Tetrachloro-m-xylene (surr.)	1	%	106	128	119	106
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	64	98	90	69

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	74	115	92	86
Tetrachloro-m-xylene (surr.)	1	%	106	128	119	106
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	< 1	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Chlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	94	-	115	93
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
2-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	-	< 1	< 1
2-Nitrophenol	1	mg/kg	< 1	-	< 1	< 1
2-Picoline	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.4.6-Tribromophenol (surr.)	1	%	72	-	131	INT
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.6-Dinitrotoluene	1	mg/kg	< 1	-	< 1	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	< 1	< 1
4-Nitrophenol	5	mg/kg	< 5	-	< 5	< 5
4.4'-DDD	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4.4'-DDE	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4.4'-DDT	1	mg/kg	< 1	-	< 1	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
a-HCH	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acetophenone	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Aldrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Aniline	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
b-HCH	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
Benzyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	< 5	< 5
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
d-HCH	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenzofuran	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dieldrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Diethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Diphenylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan I	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan II	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin aldehyde	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin ketone	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Heptachlor	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	< 1	< 1
Hexachloroethane	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
Methoxychlor	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Nitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Nitrobenzene-d5 (surr.)	1	%	63	-	99	64
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pentachlorophenol	1	mg/kg	< 1	-	< 1	< 1
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	62	-	94	70
Pronamide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trifluralin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ammonia (as N)	5	mg/kg	-	-	-	< 5
Nitrate & Nitrite (as N)	5	mg/kg	-	-	-	< 5
Nitrate (as N)	5	mg/kg	-	-	-	< 5
Nitrite (as N)	5	mg/kg	-	-	-	< 5
Organic Nitrogen (as N)*	10	mg/kg	-	-	-	830
Phosphorus reactive (as P)	0.1	mg/kg	-	-	-	0.7
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	-	830
Total Nitrogen (as N)*	10	mg/kg	-	-	-	830
Heavy Metals						
Phosphorus	10	mg/kg	-	-	-	770
Heavy Metals						
Arsenic	2	mg/kg	4.2	< 2	3.1	4.5
Cadmium	0.4	mg/kg	< 0.4	0.5	< 0.4	< 0.4
Chromium	5	mg/kg	14	7.5	7.1	14
Copper	5	mg/kg	15	14	8.2	12
Lead	5	mg/kg	< 5	< 5	< 5	5.1
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	36	16	11	23
Zinc	5	mg/kg	38	38	21	42
Sample Properties						
% Moisture	1	%	14	26	4.5	10

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	7.7	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	110	105	112	104
13C5-PFPeA (surr.)	1	%	124	111	119	120
13C5-PFHxA (surr.)	1	%	118	124	126	118
13C4-PFHpA (surr.)	1	%	126	117	115	117
13C8-PFOA (surr.)	1	%	110	109	101	114
13C5-PFNA (surr.)	1	%	126	127	120	126
13C6-PFDA (surr.)	1	%	131	129	128	129
13C2-PFUnDA (surr.)	1	%	134	132	129	128
13C2-PFDoDA (surr.)	1	%	139	130	129	137
13C2-PFTeDA (surr.)	1	%	134	127	132	140
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	104	122	114	113
D3-N-MeFOSA (surr.)	1	%	100	116	118	124
D5-N-EtFOSA (surr.)	1	%	118	134	146	146
D7-N-MeFOSE (surr.)	1	%	95	109	116	120
D9-N-EtFOSE (surr.)	1	%	102	107	112	110
D5-N-EtFOSAA (surr.)	1	%	113	144	133	128
D3-N-MeFOSAA (surr.)	1	%	135	155	148	134
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	5.6	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5

Client Sample ID			[G01]TP24/2.0	TP25/2.5	[G01]TP26/0.2	[G01]TP27/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070280	S24-Oc0070282	S24-Oc0070283	S24-Oc0070286
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
13C3-PFBS (surr.)	1	%	123	118	113	109
18O2-PFHxS (surr.)	1	%	124	118	121	119
13C8-PFOS (surr.)	1	%	122	120	118	122
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	123	110	114	133
13C2-6:2 FTSA (surr.)	1	%	91	107	95	102
13C2-8:2 FTSA (surr.)	1	%	95	132	119	126
13C2-10:2 FTSA (surr.)	1	%	193	159	178	183
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	5.6	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	5.6	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	5.6	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	13.3	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	< 50	< 50
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	-	-
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	%	-	123	-	-
p-Terphenyl-d14 (surr.)	1	%	-	120	-	-

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
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	-	89	-	< 50
TRH C29-C36	50	mg/kg	-	120	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	209	-	< 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
TRH >C16-C34	100	mg/kg	-	170	-	< 100
TRH >C34-C40	100	mg/kg	-	150	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	320	-	< 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	%	-	149	-	96
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	< 0.5
Allyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Bromobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromoform	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroform	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Iodomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
o-Xylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Styrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Toluene	0.1	mg/kg	-	< 0.1	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	< 0.3
Total MAH*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	149	-	96
Toluene-d8 (surr.)	1	%	-	127	-	91
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5
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

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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
Dibutylchlorendate (surr.)	1	%	-	92	-	66
Tetrachloro-m-xylene (surr.)	1	%	-	119	-	109
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
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	%	-	103	-	62

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	92	-	66
Tetrachloro-m-xylene (surr.)	1	%	-	119	-	109
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 1	-	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	-	< 5
1-Chloronaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
1-Naphthylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Chloronaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	108	-	93
2-Methylnaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
2-Naphthylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Nitroaniline	1	mg/kg	-	< 1	-	< 1
2-Nitrophenol	1	mg/kg	-	< 1	-	< 1
2-Picoline	0.5	mg/kg	-	< 0.5	-	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	< 5	-	< 5
2.4-Dinitrotoluene	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	-	< 1
2.4.6-Tribromophenol (surr.)	1	%	-	90	-	INT
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.6-Dinitrotoluene	1	mg/kg	-	< 1	-	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	< 0.4

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
3-Methylcholanthrene	0.5	mg/kg	-	< 0.5	-	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Aminobiphenyl	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	< 1
4-Nitrophenol	5	mg/kg	-	< 5	-	< 5
4.4'-DDD	0.5	mg/kg	-	< 0.5	-	< 0.5
4.4'-DDE	0.5	mg/kg	-	< 0.5	-	< 0.5
4.4'-DDT	1	mg/kg	-	< 1	-	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
a-HCH	0.5	mg/kg	-	< 0.5	-	< 0.5
Acenaphthene	0.5	mg/kg	-	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	-	< 0.5
Acetophenone	0.5	mg/kg	-	< 0.5	-	< 0.5
Aldrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Aniline	0.5	mg/kg	-	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
b-HCH	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
Benzyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	< 5	-	< 5
Butyl benzyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	-	< 0.5
d-HCH	0.5	mg/kg	-	< 0.5	-	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenzofuran	0.5	mg/kg	-	< 0.5	-	< 0.5
Dieldrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Diethyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dimethyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Diphenylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan I	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan II	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan sulphate	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin aldehyde	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin ketone	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
g-HCH (Lindane)	0.5	mg/kg	-	< 0.5	-	< 0.5
Heptachlor	0.5	mg/kg	-	< 0.5	-	< 0.5
Heptachlor epoxide	0.5	mg/kg	-	< 0.5	-	< 0.5
Hexachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Hexachlorobutadiene	0.5	mg/kg	-	< 0.5	-	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	-	< 1	-	< 1
Hexachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Methoxychlor	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	-	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
Nitrobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Nitrobenzene-d5 (surr.)	1	%	-	96	-	63
Pentachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Pentachlorophenol	1	mg/kg	-	< 1	-	< 1
Phenanthrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol-d6 (surr.)	1	%	-	90	-	62
Pronamide	0.5	mg/kg	-	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trifluralin	0.5	mg/kg	-	< 0.5	-	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	< 0.5	-	< 0.5
Ammonia (as N)	5	mg/kg	-	< 5	-	< 5
Nitrate & Nitrite (as N)	5	mg/kg	-	< 5	-	< 5
Nitrate (as N)	5	mg/kg	-	< 5	-	< 5
Nitrite (as N)	5	mg/kg	-	< 5	-	< 5
Organic Nitrogen (as N)*	10	mg/kg	-	2200	-	340
Phosphorus reactive (as P)	0.1	mg/kg	-	0.1	-	0.6
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	2200	-	340
Total Nitrogen (as N)*	10	mg/kg	-	2200	-	340
Heavy Metals						
Phosphorus	10	mg/kg	-	760	-	750
Heavy Metals						
Arsenic	2	mg/kg	-	5.4	-	3.2
Cadmium	0.4	mg/kg	-	< 0.4	-	< 0.4
Chromium	5	mg/kg	-	15	-	14
Copper	5	mg/kg	-	18	-	5.7
Lead	5	mg/kg	-	15	-	< 5
Mercury	0.1	mg/kg	-	< 0.1	-	< 0.1
Nickel	5	mg/kg	-	14	-	22
Zinc	5	mg/kg	-	150	-	41
Sample Properties						
% Moisture	1	%	11	15	9.7	11

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	< 5
13C4-PFBA (surr.)	1	%	-	101	-	107
13C5-PFPeA (surr.)	1	%	-	105	-	124
13C5-PFHxA (surr.)	1	%	-	119	-	125
13C4-PFHpA (surr.)	1	%	-	118	-	113
13C8-PFOA (surr.)	1	%	-	110	-	112
13C5-PFNA (surr.)	1	%	-	123	-	117
13C6-PFDA (surr.)	1	%	-	128	-	137
13C2-PFUnDA (surr.)	1	%	-	132	-	147
13C2-PFDoDA (surr.)	1	%	-	126	-	132
13C2-PFTeDA (surr.)	1	%	-	137	-	139
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
13C8-FOSA (surr.)	1	%	-	113	-	121
D3-N-MeFOSA (surr.)	1	%	-	125	-	127
D5-N-EtFOSA (surr.)	1	%	-	133	-	139
D7-N-MeFOSE (surr.)	1	%	-	118	-	119
D9-N-EtFOSE (surr.)	1	%	-	109	-	115
D5-N-EtFOSAA (surr.)	1	%	-	142	-	128
D3-N-MeFOSAA (surr.)	1	%	-	137	-	146
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	< 5

Client Sample ID			TP27/0.7	[G01]TP29/0.2	TP29/1.2	[G01]TP30/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070287	S24-Oc0070288	S24-Oc0070289	S24-Oc0070292
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
13C3-PFBS (surr.)	1	%	-	114	-	112
18O2-PFHxS (surr.)	1	%	-	109	-	110
13C8-PFOS (surr.)	1	%	-	118	-	120
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	94	-	103
13C2-6:2 FTSA (surr.)	1	%	-	74	-	125
13C2-8:2 FTSA (surr.)	1	%	-	157	-	126
13C2-10:2 FTSA (surr.)	1	%	-	171	-	187
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	< 50

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
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	-	94	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	94	< 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
TRH >C16-C34	100	mg/kg	< 100	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	200	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	200	< 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	%	102	-	107	106

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	-	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	< 0.5

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Trichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	102	-	-	106
Toluene-d8 (surr.)	1	%	89	-	-	99
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 1	< 0.1
4.4'-DDD	0.05	mg/kg	0.07	-	< 0.5	< 0.05
4.4'-DDE	0.05	mg/kg	0.08	-	< 0.5	< 0.05
4.4'-DDT	0.05	mg/kg	0.26	-	< 0.5	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	< 10	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.41	-	< 0.5	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.41	-	< 1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	84	-	INT	65
Tetrachloro-m-xylene (surr.)	1	%	120	-	127	72
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Bolstar	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Coumaphos	2	mg/kg	< 2	-	< 5	< 2
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
EPN	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Monocrotophos	2	mg/kg	< 2	-	< 5	< 2
Naled	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Omethoate	2	mg/kg	< 2	-	< 5	< 2
Phorate	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ronnel	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Terbufos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Triphenylphosphate (surr.)	1	%	88	-	149	74
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	84	-	INT	65
Tetrachloro-m-xylene (surr.)	1	%	120	-	127	72
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	-	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	-	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-	< 5
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
1-Naphthylamine	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	131	-	-	75
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-	< 0.2
2-Naphthylamine	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Nitroaniline	1	mg/kg	< 1	-	-	< 1
2-Nitrophenol	1	mg/kg	< 1	-	-	< 1
2-Picoline	0.5	mg/kg	< 0.5	-	-	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	-	-	< 5
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	-	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-	< 1
2.4.6-Tribromophenol (surr.)	1	%	INT	-	-	60
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	< 0.5
2.6-Dinitrotoluene	1	mg/kg	< 1	-	-	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	< 0.4
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	-	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	< 1
4-Nitrophenol	5	mg/kg	< 5	-	-	< 5
4.4'-DDD	0.5	mg/kg	< 0.5	-	-	< 0.5
4.4'-DDE	0.5	mg/kg	< 0.5	-	-	< 0.5
4.4'-DDT	1	mg/kg	< 1	-	-	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
a-HCH	0.5	mg/kg	< 0.5	-	-	< 0.5
Acenaphthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Acetophenone	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin	0.5	mg/kg	< 0.5	-	-	< 0.5
Aniline	0.5	mg/kg	< 0.5	-	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
b-HCH	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

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Benzyl chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	-	< 5
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	-	< 0.5
d-HCH	0.5	mg/kg	< 0.5	-	-	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	-	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibenzofuran	0.5	mg/kg	< 0.5	-	-	< 0.5
Dieldrin	0.5	mg/kg	< 0.5	-	-	< 0.5
Diethyl phthalate	0.5	mg/kg	< 0.5	-	-	< 0.5
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	-	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Diphenylamine	0.5	mg/kg	< 0.5	-	-	< 0.5
Endosulfan I	0.5	mg/kg	< 0.5	-	-	< 0.5
Endosulfan II	0.5	mg/kg	< 0.5	-	-	< 0.5
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	-	< 0.5
Endrin	0.5	mg/kg	< 0.5	-	-	< 0.5
Endrin aldehyde	0.5	mg/kg	< 0.5	-	-	< 0.5
Endrin ketone	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
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	-	< 0.5
Heptachlor	0.5	mg/kg	< 0.5	-	-	< 0.5
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	-	< 0.5
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	-	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	-	< 1
Hexachloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Methoxychlor	0.5	mg/kg	< 0.5	-	-	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	-	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	-	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
Nitrobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Nitrobenzene-d5 (surr.)	1	%	65	-	-	79
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Pentachlorophenol	1	mg/kg	< 1	-	-	< 1
Phenanthrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Phenol	0.5	mg/kg	< 0.5	-	-	< 0.5
Phenol-d6 (surr.)	1	%	128	-	-	71
Pronamide	0.5	mg/kg	< 0.5	-	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Trifluralin	0.5	mg/kg	< 0.5	-	-	< 0.5

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	-	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	-	< 0.5
Heavy Metals						
Arsenic	2	mg/kg	5.7	-	5.1	3.8
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
Chromium	5	mg/kg	15	-	29	14
Copper	5	mg/kg	15	-	29	< 5
Lead	5	mg/kg	23	-	12	< 5
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	27	-	51	45
Zinc	5	mg/kg	150	-	120	11
Sample Properties						
% Moisture	1	%	8.0	8.0	11	9.1
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
13C4-PFBA (surr.)	1	%	107	-	102	103
13C5-PFPeA (surr.)	1	%	111	-	115	107
13C5-PFHxA (surr.)	1	%	128	-	123	116
13C4-PFHpA (surr.)	1	%	128	-	112	115
13C8-PFOA (surr.)	1	%	110	-	113	113
13C5-PFNA (surr.)	1	%	129	-	122	121
13C6-PFDA (surr.)	1	%	132	-	135	128
13C2-PFUnDA (surr.)	1	%	125	-	125	151
13C2-PFDoDA (surr.)	1	%	131	-	126	131
13C2-PFTeDA (surr.)	1	%	141	-	121	130
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	< 10	< 10

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
13C8-FOSA (surr.)	1	%	117	-	115	106
D3-N-MeFOSA (surr.)	1	%	132	-	129	126
D5-N-EtFOSA (surr.)	1	%	131	-	134	131
D7-N-MeFOSE (surr.)	1	%	118	-	113	113
D9-N-EtFOSE (surr.)	1	%	114	-	118	114
D5-N-EtFOSAA (surr.)	1	%	144	-	126	142
D3-N-MeFOSAA (surr.)	1	%	126	-	137	131
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	< 5	< 5
13C3-PFBS (surr.)	1	%	127	-	125	120
18O2-PFHxS (surr.)	1	%	116	-	114	112
13C8-PFOS (surr.)	1	%	121	-	120	124
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	107	-	109	88
13C2-6:2 FTSA (surr.)	1	%	78	-	109	87
13C2-8:2 FTSA (surr.)	1	%	91	-	151	100
13C2-10:2 FTSA (surr.)	1	%	176	-	195	INT
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	< 50	< 50
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	-
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	-

Client Sample ID			[G01]TP20/1.2	TP20/2.5	TP19/0.1	[G01]TP19/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070293	S24-Oc0070294	S24-Oc0070295	S24-Oc0070296
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 22, 2024	Oct 22, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	102	-
p-Terphenyl-d14 (surr.)	1	%	-	-	123	-

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	670	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	210	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	880	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	840	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	140	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	980	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	95	106	110	108
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	< 0.5	-
Allyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Bromobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromoform	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromomethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Chloroform	0.5	mg/kg	< 0.5	-	< 0.5	-
Chloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibromomethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Iodomethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	< 0.5	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Styrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	-
Trichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
Total MAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	95	-	110	-
Toluene-d8 (surr.)	1	%	111	-	106	-

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	121	106	78	64
Tetrachloro-m-xylene (surr.)	1	%	117	98	87	87
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	108	93	78	76
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	121	106	78	64
Tetrachloro-m-xylene (surr.)	1	%	117	98	87	87
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	< 1	-
Total PAH*	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	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	< 5	-
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
1-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Chlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	101	-	83	-

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	-
2-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Nitroaniline	1	mg/kg	< 1	-	< 1	-
2-Nitrophenol	1	mg/kg	< 1	-	< 1	-
2-Picoline	0.5	mg/kg	< 0.5	-	< 0.5	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	< 5	-
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	< 1	-
2.4.6-Tribromophenol (surr.)	1	%	56	-	86	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.6-Dinitrotoluene	1	mg/kg	< 1	-	< 1	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	< 0.4	-
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	< 1	-
4-Nitrophenol	5	mg/kg	< 5	-	< 5	-
4.4'-DDD	0.5	mg/kg	< 0.5	-	< 0.5	-
4.4'-DDE	0.5	mg/kg	< 0.5	-	< 0.5	-
4.4'-DDT	1	mg/kg	< 1	-	< 1	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
a-HCH	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acetophenone	0.5	mg/kg	< 0.5	-	< 0.5	-
Aldrin	0.5	mg/kg	< 0.5	-	< 0.5	-
Aniline	0.5	mg/kg	< 0.5	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
b-HCH	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	-
Benzyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	< 5	-
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
d-HCH	0.5	mg/kg	< 0.5	-	< 0.5	-
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	-
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenzofuran	0.5	mg/kg	< 0.5	-	< 0.5	-

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Dieldrin	0.5	mg/kg	< 0.5	-	< 0.5	-
Diethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	-
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	-
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Diphenylamine	0.5	mg/kg	< 0.5	-	< 0.5	-
Endosulfan I	0.5	mg/kg	< 0.5	-	< 0.5	-
Endosulfan II	0.5	mg/kg	< 0.5	-	< 0.5	-
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	< 0.5	-
Endrin	0.5	mg/kg	< 0.5	-	< 0.5	-
Endrin aldehyde	0.5	mg/kg	< 0.5	-	< 0.5	-
Endrin ketone	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	-
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	< 0.5	-
Heptachlor	0.5	mg/kg	< 0.5	-	< 0.5	-
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	< 0.5	-
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	< 0.5	-
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	< 1	-
Hexachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Methoxychlor	0.5	mg/kg	< 0.5	-	< 0.5	-
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	< 0.5	-
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	< 0.5	-
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Nitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Nitrobenzene-d5 (surr.)	1	%	75	-	81	-
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pentachlorophenol	1	mg/kg	< 1	-	< 1	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol-d6 (surr.)	1	%	74	-	71	-
Pronamide	0.5	mg/kg	< 0.5	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Trifluralin	0.5	mg/kg	< 0.5	-	< 0.5	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	< 0.5	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	< 0.5	-
Ammonia (as N)	5	mg/kg	< 5	-	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	< 5	-	< 5	-
Nitrate (as N)	5	mg/kg	< 5	-	< 5	-
Nitrite (as N)	5	mg/kg	< 5	-	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	830	-	890	-
Phosphorus reactive (as P)	0.1	mg/kg	0.1	-	0.5	-

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Total Kjeldahl Nitrogen (as N)	10	mg/kg	830	-	890	-
Total Nitrogen (as N)*	10	mg/kg	830	-	890	-
Heavy Metals						
Phosphorus	10	mg/kg	1200	-	1400	-
Heavy Metals						
Arsenic	2	mg/kg	6.3	5.8	6.0	3.0
Cadmium	0.4	mg/kg	0.8	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	34	23	23	11
Copper	5	mg/kg	29	< 5	< 5	9.1
Lead	5	mg/kg	18	< 5	< 5	< 5
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	59	72	74	20
Zinc	5	mg/kg	380	22	16	29
Sample Properties						
% Moisture	1	%	14	10	11	5.9
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	104	111	104	103
13C5-PFPeA (surr.)	1	%	111	122	120	125
13C5-PFHxA (surr.)	1	%	118	127	116	128
13C4-PFHpA (surr.)	1	%	113	114	114	116
13C8-PFOA (surr.)	1	%	106	103	114	116
13C5-PFNA (surr.)	1	%	108	127	115	128
13C6-PFDA (surr.)	1	%	122	125	128	134
13C2-PFUnDA (surr.)	1	%	128	136	127	132
13C2-PFDoDA (surr.)	1	%	135	134	129	138
13C2-PFTeDA (surr.)	1	%	139	130	127	161
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	23	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
13C8-FOSA (surr.)	1	%	114	109	119	113
D3-N-MeFOSA (surr.)	1	%	121	103	114	115
D5-N-EtFOSA (surr.)	1	%	143	115	128	127
D7-N-MeFOSE (surr.)	1	%	110	107	114	115
D9-N-EtFOSE (surr.)	1	%	116	108	114	112
D5-N-EtFOSAA (surr.)	1	%	117	153	132	136
D3-N-MeFOSAA (surr.)	1	%	132	114	120	135
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	[N09]120	19	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	110	127	123	122
18O2-PFHxS (surr.)	1	%	120	112	110	117
13C8-PFOS (surr.)	1	%	116	118	127	129
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	134	129	119	103
13C2-6:2 FTSA (surr.)	1	%	97	99	90	92
13C2-8:2 FTSA (surr.)	1	%	128	119	109	133
13C2-10:2 FTSA (surr.)	1	%	193	INT	164	183
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	120	19	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	120	19	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	120	19	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	120	19	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	120	< 50	< 50
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

Client Sample ID			[G01]TP18/0.1	TP18/0.6	[G01]TP16/1.0	TP21/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070297	S24-Oc0070298	S24-Oc0070299	S24-Oc0070300
Date Sampled			Oct 22, 2024	Oct 22, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	86	-	85
p-Terphenyl-d14 (surr.)	1	%	-	109	-	84

Client Sample ID			TP22/0.1	TP22/2.0	TP23/1.0	TP31/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070302	S24-Oc0070303	S24-Oc0070304	S24-Oc0070305
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
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	-	110	< 50	-
TRH C29-C36	50	mg/kg	-	160	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	270	< 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	-
TRH >C16-C34	100	mg/kg	-	220	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	220	< 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	%	-	98	92	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.5	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.5	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.5	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.5	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.5	< 0.05	-

Client Sample ID			TP22/0.1	TP22/2.0	TP23/1.0	TP31/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070302	S24-Oc0070303	S24-Oc0070304	S24-Oc0070305
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
b-HCH	0.05	mg/kg	-	< 0.5	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.5	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.5	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.5	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.5	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.5	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.5	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.5	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.5	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.5	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.5	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.5	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.5	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.5	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 10	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.5	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	106	69	-
Tetrachloro-m-xylene (surr.)	1	%	-	121	82	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.5	< 0.2	-
Bolstar	0.2	mg/kg	-	< 0.5	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.5	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	< 0.5	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.5	< 0.2	-
Coumaphos	2	mg/kg	-	< 5	< 2	-
Demeton-S	0.2	mg/kg	-	< 0.5	< 0.2	-
Demeton-O	0.2	mg/kg	-	< 0.5	< 0.2	-
Diazinon	0.2	mg/kg	-	< 0.5	< 0.2	-
Dichlorvos	0.2	mg/kg	-	< 0.5	< 0.2	-
Dimethoate	0.2	mg/kg	-	< 0.5	< 0.2	-
Disulfoton	0.2	mg/kg	-	< 0.5	< 0.2	-
EPN	0.2	mg/kg	-	< 0.5	< 0.2	-
Ethion	0.2	mg/kg	-	< 0.5	< 0.2	-
Ethoprop	0.2	mg/kg	-	< 0.5	< 0.2	-
Ethyl parathion	0.2	mg/kg	-	< 0.5	< 0.2	-
Fenitrothion	0.2	mg/kg	-	< 0.5	< 0.2	-
Fensulfothion	0.2	mg/kg	-	< 0.5	< 0.2	-
Fenthion	0.2	mg/kg	-	< 0.5	< 0.2	-
Malathion	0.2	mg/kg	-	< 0.5	< 0.2	-
Merphos	0.2	mg/kg	-	< 0.5	< 0.2	-
Methyl parathion	0.2	mg/kg	-	< 0.5	< 0.2	-
Mevinphos	0.2	mg/kg	-	< 0.5	< 0.2	-
Monocrotophos	2	mg/kg	-	< 5	< 2	-
Naled	0.2	mg/kg	-	< 0.5	< 0.2	-
Omethoate	2	mg/kg	-	< 5	< 2	-
Phorate	0.2	mg/kg	-	< 0.5	< 0.2	-

Client Sample ID			TP22/0.1	TP22/2.0	TP23/1.0	TP31/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070302	S24-Oc0070303	S24-Oc0070304	S24-Oc0070305
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Pirimiphos-methyl	0.2	mg/kg	-	< 0.5	< 0.2	-
Pyrazophos	0.2	mg/kg	-	< 0.5	< 0.2	-
Ronnel	0.2	mg/kg	-	< 0.5	< 0.2	-
Terbufos	0.2	mg/kg	-	< 0.5	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	-	< 0.5	< 0.2	-
Tokuthion	0.2	mg/kg	-	< 0.5	< 0.2	-
Trichloronate	0.2	mg/kg	-	< 0.5	< 0.2	-
Triphenylphosphate (surr.)	1	%	-	132	104	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	106	69	-
Tetrachloro-m-xylene (surr.)	1	%	-	121	82	-
Ammonia (as N)	5	mg/kg	< 5	150	-	-
Nitrate & Nitrite (as N)	5	mg/kg	52	150	-	-
Nitrate (as N)	5	mg/kg	52	150	-	-
Nitrite (as N)	5	mg/kg	< 5	< 5	-	-
Organic Nitrogen (as N)*	10	mg/kg	13000	11850	-	-
Phosphorus reactive (as P)	0.1	mg/kg	6.2	1.5	-	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	13000	12000	-	-
Total Nitrogen (as N)*	10	mg/kg	13000	12000	-	-
Heavy Metals						
Phosphorus	10	mg/kg	4900	3500	-	-
Heavy Metals						
Arsenic	2	mg/kg	-	3.9	3.5	-
Cadmium	0.4	mg/kg	-	0.7	< 0.4	-
Chromium	5	mg/kg	-	21	19	-
Copper	5	mg/kg	-	52	14	-
Lead	5	mg/kg	-	9.5	< 5	-
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	-
Nickel	5	mg/kg	-	30	25	-
Zinc	5	mg/kg	-	110	42	-
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	-	-
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	-	-
Sample Properties						
% Moisture	1	%	35	31	13	13

Client Sample ID			TP22/0.1	TP22/2.0	TP23/1.0	TP31/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070302	S24-Oc0070303	S24-Oc0070304	S24-Oc0070305
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	12	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	7.3	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	-	106	105	111
13C5-PFPeA (surr.)	1	%	-	120	118	118
13C5-PFHxA (surr.)	1	%	-	120	126	126
13C4-PFHpA (surr.)	1	%	-	119	113	136
13C8-PFOA (surr.)	1	%	-	111	118	110
13C5-PFNA (surr.)	1	%	-	119	117	120
13C6-PFDA (surr.)	1	%	-	134	112	134
13C2-PFUnDA (surr.)	1	%	-	129	128	133
13C2-PFDoDA (surr.)	1	%	-	136	144	138
13C2-PFTeDA (surr.)	1	%	-	149	134	136
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	-	117	112	116
D3-N-MeFOSA (surr.)	1	%	-	117	128	126
D5-N-EtFOSA (surr.)	1	%	-	119	137	135
D7-N-MeFOSE (surr.)	1	%	-	111	119	114
D9-N-EtFOSE (surr.)	1	%	-	110	115	114
D5-N-EtFOSAA (surr.)	1	%	-	121	121	144
D3-N-MeFOSAA (surr.)	1	%	-	122	130	137
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	6.1	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	< 5	< 5

Client Sample ID			TP22/0.1	TP22/2.0	TP23/1.0	TP31/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070302	S24-Oc0070303	S24-Oc0070304	S24-Oc0070305
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
13C3-PFBS (surr.)	1	%	-	124	115	117
18O2-PFHxS (surr.)	1	%	-	108	111	120
13C8-PFOS (surr.)	1	%	-	130	117	128
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	-	131	99	95
13C2-6:2 FTSA (surr.)	1	%	-	115	84	101
13C2-8:2 FTSA (surr.)	1	%	-	155	114	143
13C2-10:2 FTSA (surr.)	1	%	-	190	INT	182
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	6.1	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	7.3	6.1	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	7.3	6.1	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	19.3	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	< 50	< 50
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	%	-	106	84	-
p-Terphenyl-d14 (surr.)	1	%	-	114	72	-

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	200	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	250	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	450	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	390	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	140	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	530	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	97	99	143	105
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	< 0.5
Allyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Bromobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromoform	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroform	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Iodomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
o-Xylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Styrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Toluene	0.1	mg/kg	-	< 0.1	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	< 0.3
Total MAH*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	99	-	105
Toluene-d8 (surr.)	1	%	-	73	-	104
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	91	115	94	73
Tetrachloro-m-xylene (surr.)	1	%	113	135	100	107
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	118	115	70	73

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	91	115	94	73
Tetrachloro-m-xylene (surr.)	1	%	113	135	100	107
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 1	-	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	-	< 5
1-Chloronaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
1-Naphthylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Chloronaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	139	-	93
2-Methylnaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
2-Naphthylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Nitroaniline	1	mg/kg	-	< 1	-	< 1
2-Nitrophenol	1	mg/kg	-	< 1	-	< 1
2-Picoline	0.5	mg/kg	-	< 0.5	-	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	< 5	-	< 5
2.4-Dinitrotoluene	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	-	< 1
2.4.6-Tribromophenol (surr.)	1	%	-	127	-	INT
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.6-Dinitrotoluene	1	mg/kg	-	< 1	-	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	< 0.4

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
3-Methylcholanthrene	0.5	mg/kg	-	< 0.5	-	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Aminobiphenyl	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	< 1
4-Nitrophenol	5	mg/kg	-	< 5	-	< 5
4.4'-DDD	0.5	mg/kg	-	< 0.5	-	< 0.5
4.4'-DDE	0.5	mg/kg	-	< 0.5	-	< 0.5
4.4'-DDT	1	mg/kg	-	< 1	-	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
a-HCH	0.5	mg/kg	-	< 0.5	-	< 0.5
Acenaphthene	0.5	mg/kg	-	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	-	< 0.5
Acetophenone	0.5	mg/kg	-	< 0.5	-	< 0.5
Aldrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Aniline	0.5	mg/kg	-	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
b-HCH	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
Benzyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	< 5	-	< 5
Butyl benzyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	-	< 0.5
d-HCH	0.5	mg/kg	-	< 0.5	-	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenzofuran	0.5	mg/kg	-	< 0.5	-	< 0.5
Dieldrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Diethyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dimethyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Diphenylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan I	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan II	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan sulphate	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin aldehyde	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin ketone	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
g-HCH (Lindane)	0.5	mg/kg	-	< 0.5	-	< 0.5
Heptachlor	0.5	mg/kg	-	< 0.5	-	< 0.5
Heptachlor epoxide	0.5	mg/kg	-	< 0.5	-	< 0.5
Hexachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Hexachlorobutadiene	0.5	mg/kg	-	< 0.5	-	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	-	< 1	-	< 1
Hexachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Methoxychlor	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	-	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
Nitrobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Nitrobenzene-d5 (surr.)	1	%	-	133	-	61
Pentachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Pentachlorophenol	1	mg/kg	-	< 1	-	< 1
Phenanthrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol-d6 (surr.)	1	%	-	129	-	64
Pronamide	0.5	mg/kg	-	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trifluralin	0.5	mg/kg	-	< 0.5	-	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	< 0.5	-	< 0.5
Heavy Metals						
Arsenic	2	mg/kg	3.5	6.2	7.1	29
Cadmium	0.4	mg/kg	5.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	66	18	27	37
Copper	5	mg/kg	6200	290	23	41
Lead	5	mg/kg	340	340	38	10
Mercury	0.1	mg/kg	0.4	0.1	< 0.1	< 0.1
Nickel	5	mg/kg	160	38	62	60
Zinc	5	mg/kg	1900	320	170	140
Sample Properties						
% Moisture	1	%	39	10	11	10
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	< 5	< 5

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C4-PFBA (surr.)	1	%	-	103	111	109
13C5-PFPeA (surr.)	1	%	-	109	126	128
13C5-PFHxA (surr.)	1	%	-	126	124	114
13C4-PFHpA (surr.)	1	%	-	110	121	124
13C8-PFOA (surr.)	1	%	-	105	112	115
13C5-PFNA (surr.)	1	%	-	121	121	116
13C6-PFDA (surr.)	1	%	-	110	140	139
13C2-PFUnDA (surr.)	1	%	-	125	122	144
13C2-PFDoDA (surr.)	1	%	-	130	129	139
13C2-PFTeDA (surr.)	1	%	-	123	133	125
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	-	116	109	120
D3-N-MeFOSA (surr.)	1	%	-	127	140	125
D5-N-EtFOSA (surr.)	1	%	-	126	117	132
D7-N-MeFOSE (surr.)	1	%	-	110	100	116
D9-N-EtFOSE (surr.)	1	%	-	110	102	114
D5-N-EtFOSAA (surr.)	1	%	-	130	140	125
D3-N-MeFOSAA (surr.)	1	%	-	131	143	138
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	-	117	113	116
18O2-PFHxS (surr.)	1	%	-	108	116	113
13C8-PFOS (surr.)	1	%	-	115	116	121
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	-	88	110	113

Client Sample ID			TP31/0.9	[G01]TP31/1.0	TP15/1.0	[G01]TP09/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070306	S24-Oc0070307	S24-Oc0070308	S24-Oc0070309
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 23, 2024	Oct 23, 2024
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-6:2 FTSA (surr.)	1	%	-	83	96	111
13C2-8:2 FTSA (surr.)	1	%	-	100	99	128
13C2-10:2 FTSA (surr.)	1	%	-	178	199	164
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	< 50	< 50
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	%	83	-	89	-
p-Terphenyl-d14 (surr.)	1	%	97	-	88	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
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	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	-	-
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	%	109	104	-	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	-	-
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromoform	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroform	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Styrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	109	104	-	-
Toluene-d8 (surr.)	1	%	96	98	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
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	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	76	52	-	-
Tetrachloro-m-xylene (surr.)	1	%	99	114	-	-
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	-	-
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	%	69	72	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	76	52	-	-
Tetrachloro-m-xylene (surr.)	1	%	99	114	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	< 1	-	-
Total PAH*	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	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	-	-
1-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
1-Naphthylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	95	99	-	-
2-Methylnaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	-
2-Naphthylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Nitroaniline	1	mg/kg	< 1	< 1	-	-
2-Nitrophenol	1	mg/kg	< 1	< 1	-	-
2-Picoline	0.5	mg/kg	< 0.5	< 0.5	-	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	-	-
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.4.6-Tribromophenol (surr.)	1	%	INT	INT	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	-	-
3-Methylcholanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Aminobiphenyl	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	-	-
4-Nitrophenol	5	mg/kg	< 5	< 5	-	-
4.4'-DDD	0.5	mg/kg	< 0.5	< 0.5	-	-
4.4'-DDE	0.5	mg/kg	< 0.5	< 0.5	-	-
4.4'-DDT	1	mg/kg	< 1	< 1	-	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
a-HCH	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acetophenone	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin	0.5	mg/kg	< 0.5	< 0.5	-	-
Aniline	0.5	mg/kg	< 0.5	< 0.5	-	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
b-HCH	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	-	-
Benzyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	< 5	-	-
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	-
d-HCH	0.5	mg/kg	< 0.5	< 0.5	-	-
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenzofuran	0.5	mg/kg	< 0.5	< 0.5	-	-
Dieldrin	0.5	mg/kg	< 0.5	< 0.5	-	-
Diethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Dimethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Diphenylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
Endosulfan I	0.5	mg/kg	< 0.5	< 0.5	-	-
Endosulfan II	0.5	mg/kg	< 0.5	< 0.5	-	-
Endosulfan sulphate	0.5	mg/kg	< 0.5	< 0.5	-	-
Endrin	0.5	mg/kg	< 0.5	< 0.5	-	-
Endrin aldehyde	0.5	mg/kg	< 0.5	< 0.5	-	-
Endrin ketone	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	-	-
g-HCH (Lindane)	0.5	mg/kg	< 0.5	< 0.5	-	-
Heptachlor	0.5	mg/kg	< 0.5	< 0.5	-	-
Heptachlor epoxide	0.5	mg/kg	< 0.5	< 0.5	-	-
Hexachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Hexachlorobutadiene	0.5	mg/kg	< 0.5	< 0.5	-	-
Hexachlorocyclopentadiene	1	mg/kg	< 1	< 1	-	-
Hexachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Methoxychlor	0.5	mg/kg	< 0.5	< 0.5	-	-
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	< 0.5	-	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
Nitrobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Nitrobenzene-d5 (surr.)	1	%	77	68	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Pentachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pentachlorophenol	1	mg/kg	< 1	< 1	-	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenol	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenol-d6 (surr.)	1	%	75	66	-	-
Pronamide	0.5	mg/kg	< 0.5	< 0.5	-	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trifluralin	0.5	mg/kg	< 0.5	< 0.5	-	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	-	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	< 0.5	-	-
Ammonia (as N)	5	mg/kg	-	-	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	-	-	< 5	-
Nitrate (as N)	5	mg/kg	-	-	< 5	-
Nitrite (as N)	5	mg/kg	-	-	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	-	-	190	-
Phosphorus reactive (as P)	0.1	mg/kg	-	-	< 0.1	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	190	-
Total Nitrogen (as N)*	10	mg/kg	-	-	190	-
Heavy Metals						
Phosphorus	10	mg/kg	-	-	700	-
Heavy Metals						
Arsenic	2	mg/kg	4.5	14	-	-
Cadmium	0.4	mg/kg	< 0.4	0.6	-	-
Chromium	5	mg/kg	15	30	-	-
Copper	5	mg/kg	7.8	30	-	-
Lead	5	mg/kg	13	23	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	43	28	-	-
Zinc	5	mg/kg	96	250	-	-
Pathogens						
E.coli (MPN)*	1	MPN/g	-	-	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	-	-	SEE ATTACHED	SEE ATTACHED
Sample Properties						
% Moisture	1	%	6.5	7.6	3.8	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	-	-
13C4-PFBA (surr.)	1	%	113	105	-	-
13C5-PFPeA (surr.)	1	%	115	121	-	-
13C5-PFHxA (surr.)	1	%	134	125	-	-
13C4-PFHpA (surr.)	1	%	122	112	-	-
13C8-PFOA (surr.)	1	%	109	109	-	-
13C5-PFNA (surr.)	1	%	123	124	-	-
13C6-PFDA (surr.)	1	%	129	133	-	-
13C2-PFUnDA (surr.)	1	%	155	125	-	-
13C2-PFDoDA (surr.)	1	%	141	143	-	-
13C2-PFTeDA (surr.)	1	%	136	138	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
13C8-FOSA (surr.)	1	%	115	114	-	-
D3-N-MeFOSA (surr.)	1	%	125	120	-	-
D5-N-EtFOSA (surr.)	1	%	132	139	-	-
D7-N-MeFOSE (surr.)	1	%	105	103	-	-
D9-N-EtFOSE (surr.)	1	%	102	110	-	-
D5-N-EtFOSAA (surr.)	1	%	140	115	-	-
D3-N-MeFOSAA (surr.)	1	%	138	145	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	-	-
13C3-PFBS (surr.)	1	%	126	121	-	-
18O2-PFHxS (surr.)	1	%	127	110	-	-
13C8-PFOS (surr.)	1	%	135	126	-	-

Client Sample ID			[G01]TP09/1.5	[G01]TP09/2.7	TP11/0.2	TP11/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070310	S24-Oc0070311	S24-Oc0070313	S24-Oc0070314
Date Sampled			Oct 23, 2024	Oct 23, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	138	119	-	-
13C2-6:2 FTSA (surr.)	1	%	99	89	-	-
13C2-8:2 FTSA (surr.)	1	%	114	118	-	-
13C2-10:2 FTSA (surr.)	1	%	196	193	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	-	-

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	130
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	74
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	204
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	160
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	110
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	270
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	105	115	77	91

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Trichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	105	-	77	91
Toluene-d8 (surr.)	1	%	96	-	142	84
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	54	80	80	119
Tetrachloro-m-xylene (surr.)	1	%	93	78	89	107
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	63	78	77	108
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	54	80	80	119
Tetrachloro-m-xylene (surr.)	1	%	93	78	89	107
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	< 1	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Chlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	85	-	87	104
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
2-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	-	< 1	< 1
2-Nitrophenol	1	mg/kg	< 1	-	< 1	< 1
2-Picoline	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.4.6-Tribromophenol (surr.)	1	%	INT	-	75	52
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.6-Dinitrotoluene	1	mg/kg	< 1	-	< 1	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	< 1	< 1
4-Nitrophenol	5	mg/kg	< 5	-	< 5	< 5
4.4'-DDD	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4.4'-DDE	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4.4'-DDT	1	mg/kg	< 1	-	< 1	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
a-HCH	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acetophenone	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Aldrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Aniline	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
b-HCH	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

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Benzyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	< 5	< 5
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
d-HCH	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenzofuran	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dieldrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Diethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Diphenylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan I	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan II	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin aldehyde	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin ketone	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Heptachlor	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	< 1	< 1
Hexachloroethane	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
Methoxychlor	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Nitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Nitrobenzene-d5 (surr.)	1	%	72	-	82	102
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pentachlorophenol	1	mg/kg	< 1	-	< 1	< 1
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	73	-	73	91
Pronamide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trifluralin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ammonia (as N)	5	mg/kg	-	< 5	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	-	< 5	< 5	-
Nitrate (as N)	5	mg/kg	-	< 5	< 5	-
Nitrite (as N)	5	mg/kg	-	< 5	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	-	870	830	-
Phosphorus reactive (as P)	0.1	mg/kg	-	1.2	0.5	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	870	830	-
Total Nitrogen (as N)*	10	mg/kg	-	870	830	-
Heavy Metals						
Phosphorus	10	mg/kg	-	1700	1400	-
Heavy Metals						
Arsenic	2	mg/kg	10	5.0	6.5	84
Cadmium	0.4	mg/kg	14	< 0.4	< 0.4	5.7
Chromium	5	mg/kg	46	20	22	120
Copper	5	mg/kg	150	< 5	< 5	5100
Lead	5	mg/kg	470	< 5	< 5	360
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	47	58	57	66
Zinc	5	mg/kg	600	18	22	950
Pathogens						
E.coli (MPN)*	1	MPN/g	-	SEE ATTACHED	-	-
Thermotolerant Coliforms (MPN)	1	MPN/g	-	SEE ATTACHED	-	-
Sample Properties						
% Moisture	1	%	11	9.5	11	26
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	[N09]32	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	98	114	112	85
13C5-PFPeA (surr.)	1	%	114	116	119	104
13C5-PFHxA (surr.)	1	%	116	133	122	108
13C4-PFHpA (surr.)	1	%	114	111	118	103
13C8-PFOA (surr.)	1	%	111	111	111	97
13C5-PFNA (surr.)	1	%	106	119	110	103

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C6-PFDA (surr.)	1	%	125	122	113	127
13C2-PFUnDA (surr.)	1	%	136	137	136	120
13C2-PFDoDA (surr.)	1	%	141	129	129	127
13C2-PFTeDA (surr.)	1	%	135	138	121	149
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	15	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	67	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	118	104	113	103
D3-N-MeFOSA (surr.)	1	%	139	96	107	109
D5-N-EtFOSA (surr.)	1	%	136	114	119	112
D7-N-MeFOSE (surr.)	1	%	117	98	99	105
D9-N-EtFOSE (surr.)	1	%	120	97	98	97
D5-N-EtFOSAA (surr.)	1	%	107	146	150	85
D3-N-MeFOSAA (surr.)	1	%	109	138	132	107
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	[N09]120	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	114	123	117	106
18O2-PFHxS (surr.)	1	%	107	122	115	102
13C8-PFOS (surr.)	1	%	115	121	124	109
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	83	128	120	93
13C2-6:2 FTSA (surr.)	1	%	66	114	89	87
13C2-8:2 FTSA (surr.)	1	%	100	95	129	150
13C2-10:2 FTSA (surr.)	1	%	169	INT	194	163

Client Sample ID			[G01]TP11/1.2	TP13/1.0	[G01]TP14/1.0	[G01]TP10/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070315	S24-Oc0070316	S24-Oc0070317	S24-Oc0070318
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	120	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	152	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	152	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	152	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	234	< 50	< 50
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	-	-
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	%	-	72	-	-
p-Terphenyl-d14 (surr.)	1	%	-	76	-	-

Client Sample ID			[G01]TP08/0.1	TP08/0.6	[G01]TP06/0.5	[G01]TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
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	85	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	85	-	< 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
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

Client Sample ID			[G01]TP08/0.1	TP08/0.6	[G01]TP06/0.5	[G01]TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
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	%	88	-	99	99
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			[G01]TP08/0.1	TP08/0.6	[G01]TP06/0.5	[G01]TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	88	-	99	99
Toluene-d8 (surr.)	1	%	85	-	91	94
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
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
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
d-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
g-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
Dibutylchlorendate (surr.)	1	%	80	-	71	68
Tetrachloro-m-xylene (surr.)	1	%	110	-	113	71

Client Sample ID			G01TP08/0.1	TP08/0.6	G01TP06/0.5	G01TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	-	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	-	< 2	< 2
Naled	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	-	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	75	-	82	71
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	80	-	71	68
Tetrachloro-m-xylene (surr.)	1	%	110	-	113	71

Client Sample ID			[G01]TP08/0.1	TP08/0.6	[G01]TP06/0.5	[G01]TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	< 1	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Chlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	99	-	121	74
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
2-Naphthylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	-	< 1	< 1
2-Nitrophenol	1	mg/kg	< 1	-	< 1	< 1
2-Picoline	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
2.4-Dinitrotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.4.6-Tribromophenol (surr.)	1	%	63	-	59	63
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.6-Dinitrotoluene	1	mg/kg	< 1	-	< 1	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	< 1	< 1
4-Nitrophenol	5	mg/kg	< 5	-	< 5	< 5
4.4'-DDD	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4.4'-DDE	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4.4'-DDT	1	mg/kg	< 1	-	< 1	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
a-HCH	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			[G01]TP08/0.1	TP08/0.6	[G01]TP06/0.5	[G01]TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acetophenone	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Aldrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Aniline	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
b-HCH	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
Benzyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	< 5	< 5
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
d-HCH	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenzofuran	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dieldrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Diethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Diphenylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan I	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan II	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin aldehyde	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Endrin ketone	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Heptachlor	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	< 1	< 1
Hexachloroethane	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
Methoxychlor	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Nitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Nitrobenzene-d5 (surr.)	1	%	72	-	61	77

Client Sample ID			[G01]TP08/0.1	TP08/0.6	[G01]TP06/0.5	[G01]TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pentachlorophenol	1	mg/kg	< 1	-	< 1	< 1
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	70	-	106	69
Pronamide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trifluralin	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Heavy Metals						
Arsenic	2	mg/kg	7.4	-	15	20
Cadmium	0.4	mg/kg	< 0.4	-	1.3	4.4
Chromium	5	mg/kg	30	-	28	66
Copper	5	mg/kg	21	-	68	190
Lead	5	mg/kg	5.7	-	59	310
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	59	-	30	81
Zinc	5	mg/kg	72	-	330	1300
Sample Properties						
% Moisture	1	%	13	21	10	13
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
13C4-PFBA (surr.)	1	%	103	-	110	105
13C5-PFPeA (surr.)	1	%	112	-	116	118
13C5-PFHxA (surr.)	1	%	125	-	132	129
13C4-PFHpA (surr.)	1	%	113	-	120	121
13C8-PFOA (surr.)	1	%	106	-	124	116
13C5-PFNA (surr.)	1	%	126	-	131	119
13C6-PFDA (surr.)	1	%	127	-	129	132
13C2-PFUnDA (surr.)	1	%	141	-	139	130
13C2-PFDoDA (surr.)	1	%	125	-	146	134
13C2-PFTeDA (surr.)	1	%	131	-	156	131

Client Sample ID			[G01]TP08/0.1	TP08/0.6	[G01]TP06/0.5	[G01]TP06/1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070321	S24-Oc0070322	S24-Oc0070323	S24-Oc0070324
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	< 10	< 10
13C8-FOSA (surr.)	1	%	111	-	112	110
D3-N-MeFOSA (surr.)	1	%	120	-	143	147
D5-N-EtFOSA (surr.)	1	%	128	-	147	147
D7-N-MeFOSE (surr.)	1	%	111	-	119	120
D9-N-EtFOSE (surr.)	1	%	111	-	124	117
D5-N-EtFOSAA (surr.)	1	%	148	-	127	128
D3-N-MeFOSAA (surr.)	1	%	146	-	131	132
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	< 5	< 5
13C3-PFBS (surr.)	1	%	115	-	120	114
18O2-PFHxS (surr.)	1	%	111	-	112	113
13C8-PFOS (surr.)	1	%	120	-	127	117
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	124	-	94	113
13C2-6:2 FTSA (surr.)	1	%	113	-	80	97
13C2-8:2 FTSA (surr.)	1	%	143	-	87	101
13C2-10:2 FTSA (surr.)	1	%	190	-	INT	INT
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	< 50	< 50

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
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	-	63	-	< 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
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	%	-	97	-	125
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	< 0.5
Allyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Bromobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromoform	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroform	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Iodomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
o-Xylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Styrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Toluene	0.1	mg/kg	-	< 0.1	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	< 0.3
Total MAH*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	97	-	125
Toluene-d8 (surr.)	1	%	-	81	-	120
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5
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

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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
Dibutylchlorendate (surr.)	1	%	-	69	-	67
Tetrachloro-m-xylene (surr.)	1	%	-	109	-	111
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
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	%	-	70	-	83

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	69	-	67
Tetrachloro-m-xylene (surr.)	1	%	-	109	-	111
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 1	-	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	-	< 5
1-Chloronaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
1-Naphthylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Chloronaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	94	-	98
2-Methylnaphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
2-Naphthylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Nitroaniline	1	mg/kg	-	< 1	-	< 1
2-Nitrophenol	1	mg/kg	-	< 1	-	< 1
2-Picoline	0.5	mg/kg	-	< 0.5	-	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	< 5	-	< 5
2.4-Dinitrotoluene	0.5	mg/kg	-	< 0.5	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	-	< 1
2.4.6-Tribromophenol (surr.)	1	%	-	67	-	INT
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2.6-Dinitrotoluene	1	mg/kg	-	< 1	-	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	< 0.4

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
3-Methylcholanthrene	0.5	mg/kg	-	< 0.5	-	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Aminobiphenyl	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	< 1
4-Nitrophenol	5	mg/kg	-	< 5	-	< 5
4.4'-DDD	0.5	mg/kg	-	< 0.5	-	< 0.5
4.4'-DDE	0.5	mg/kg	-	< 0.5	-	< 0.5
4.4'-DDT	1	mg/kg	-	< 1	-	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
a-HCH	0.5	mg/kg	-	< 0.5	-	< 0.5
Acenaphthene	0.5	mg/kg	-	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	-	< 0.5
Acetophenone	0.5	mg/kg	-	< 0.5	-	< 0.5
Aldrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Aniline	0.5	mg/kg	-	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
b-HCH	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
Benzyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	< 5	-	< 5
Butyl benzyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	-	< 0.5
d-HCH	0.5	mg/kg	-	< 0.5	-	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenzofuran	0.5	mg/kg	-	< 0.5	-	< 0.5
Dieldrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Diethyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dimethyl phthalate	0.5	mg/kg	-	< 0.5	-	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Diphenylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan I	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan II	0.5	mg/kg	-	< 0.5	-	< 0.5
Endosulfan sulphate	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin aldehyde	0.5	mg/kg	-	< 0.5	-	< 0.5
Endrin ketone	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
g-HCH (Lindane)	0.5	mg/kg	-	< 0.5	-	< 0.5
Heptachlor	0.5	mg/kg	-	< 0.5	-	< 0.5
Heptachlor epoxide	0.5	mg/kg	-	< 0.5	-	< 0.5
Hexachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Semivolatile Organics						
Hexachlorobutadiene	0.5	mg/kg	-	< 0.5	-	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	-	< 1	-	< 1
Hexachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Methoxychlor	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	-	< 0.5	-	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	-	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
Nitrobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Nitrobenzene-d5 (surr.)	1	%	-	70	-	60
Pentachlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Pentachlorophenol	1	mg/kg	-	< 1	-	< 1
Phenanthrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol-d6 (surr.)	1	%	-	68	-	65
Pronamide	0.5	mg/kg	-	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trifluralin	0.5	mg/kg	-	< 0.5	-	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	< 0.5	-	< 0.5
Heavy Metals						
Arsenic	2	mg/kg	-	18	-	15
Cadmium	0.4	mg/kg	-	0.8	-	0.9
Chromium	5	mg/kg	-	47	-	48
Copper	5	mg/kg	-	60	-	53
Lead	5	mg/kg	-	47	-	41
Mercury	0.1	mg/kg	-	< 0.1	-	< 0.1
Nickel	5	mg/kg	-	62	-	68
Zinc	5	mg/kg	-	300	-	320
Sample Properties						
% Moisture	1	%	17	11	13	11
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	< 5

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C4-PFBA (surr.)	1	%	-	109	-	110
13C5-PFPeA (surr.)	1	%	-	117	-	119
13C5-PFHxA (surr.)	1	%	-	134	-	121
13C4-PFHpA (surr.)	1	%	-	117	-	115
13C8-PFOA (surr.)	1	%	-	106	-	119
13C5-PFNA (surr.)	1	%	-	124	-	124
13C6-PFDA (surr.)	1	%	-	146	-	134
13C2-PFUnDA (surr.)	1	%	-	143	-	138
13C2-PFDoDA (surr.)	1	%	-	131	-	130
13C2-PFTeDA (surr.)	1	%	-	124	-	130
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
13C8-FOSA (surr.)	1	%	-	110	-	113
D3-N-MeFOSA (surr.)	1	%	-	95	-	116
D5-N-EtFOSA (surr.)	1	%	-	108	-	131
D7-N-MeFOSE (surr.)	1	%	-	99	-	103
D9-N-EtFOSE (surr.)	1	%	-	97	-	100
D5-N-EtFOSAA (surr.)	1	%	-	123	-	126
D3-N-MeFOSAA (surr.)	1	%	-	119	-	147
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]9.2	-	[N09]10
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	< 5
13C3-PFBS (surr.)	1	%	-	124	-	122
18O2-PFHxS (surr.)	1	%	-	124	-	122
13C8-PFOS (surr.)	1	%	-	128	-	124
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	117	-	131

Client Sample ID			TP06/2.0	[G01]TP07/0.2	TP07/1.0	[G01]TP07/1.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0070325	S24-Oc0070326	S24-Oc0070327	S24-Oc0070328
Date Sampled			Oct 24, 2024	Oct 24, 2024	Oct 24, 2024	Oct 24, 2024
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-6:2 FTSA (surr.)	1	%	-	131	-	114
13C2-8:2 FTSA (surr.)	1	%	-	99	-	167
13C2-10:2 FTSA (surr.)	1	%	-	INT	-	INT
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	9.2	-	10
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	9.2	-	10
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	9.2	-	10
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	10
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	< 50

Client Sample ID			QA1	QA2	TS	TB
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S24-Oc0070339	S24-Oc0070341	S24-Oc0070343	S24-Oc0070344
Date Sampled			Oct 22, 2024	Oct 23, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 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	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	-	-
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	-	< 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	%	122	108	-	104
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.5	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.5	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.5	< 0.05	-	-

Client Sample ID			QA1	QA2	TS	TB
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S24-Oc0070339	S24-Oc0070341	S24-Oc0070343	S24-Oc0070344
Date Sampled			Oct 22, 2024	Oct 23, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
d-HCH	0.05	mg/kg	< 0.5	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.5	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 10	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	141	86	-	-
Tetrachloro-m-xylene (surr.)	1	%	122	109	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	-
Bolstar	0.2	mg/kg	< 0.5	< 0.2	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	-
Coumaphos	2	mg/kg	< 5	< 2	-	-
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	-	-
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	-	-
Diazinon	0.2	mg/kg	< 0.5	< 0.2	-	-
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	-	-
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	-	-
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	-	-
EPN	0.2	mg/kg	< 0.5	< 0.2	-	-
Ethion	0.2	mg/kg	< 0.5	< 0.2	-	-
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	-	-
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	-	-
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	-	-
Fenthion	0.2	mg/kg	< 0.5	< 0.2	-	-
Malathion	0.2	mg/kg	< 0.5	< 0.2	-	-
Merphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	-	-
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Monocrotophos	2	mg/kg	< 5	< 2	-	-
Naled	0.2	mg/kg	< 0.5	< 0.2	-	-
Omethoate	2	mg/kg	< 5	< 2	-	-
Phorate	0.2	mg/kg	< 0.5	< 0.2	-	-

Client Sample ID			QA1	QA2	TS	TB
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S24-Oc0070339	S24-Oc0070341	S24-Oc0070343	S24-Oc0070344
Date Sampled			Oct 22, 2024	Oct 23, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	-
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	-	-
Ronnel	0.2	mg/kg	< 0.5	< 0.2	-	-
Terbufos	0.2	mg/kg	< 0.5	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	-	-
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	142	96	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	141	86	-	-
Tetrachloro-m-xylene (surr.)	1	%	122	109	-	-
TRH C6-C10	1	%	-	-	98	-
Heavy Metals						
Arsenic	2	mg/kg	2.3	3.6	-	-
Cadmium	0.4	mg/kg	< 0.4	0.4	-	-
Chromium	5	mg/kg	9.0	49	-	-
Copper	5	mg/kg	7.7	52	-	-
Lead	5	mg/kg	< 5	14	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	17	65	-	-
Zinc	5	mg/kg	24	130	-	-
Sample Properties						
% Moisture	1	%	11	16	-	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	-	-
13C4-PFBA (surr.)	1	%	104	101	-	-
13C5-PFPeA (surr.)	1	%	120	118	-	-
13C5-PFHxA (surr.)	1	%	123	117	-	-
13C4-PFHpA (surr.)	1	%	117	108	-	-

Client Sample ID			QA1	QA2	TS	TB
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S24-Oc0070339	S24-Oc0070341	S24-Oc0070343	S24-Oc0070344
Date Sampled			Oct 22, 2024	Oct 23, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C8-PFOA (surr.)	1	%	112	116	-	-
13C5-PFNA (surr.)	1	%	122	111	-	-
13C6-PFDA (surr.)	1	%	133	148	-	-
13C2-PFUnDA (surr.)	1	%	143	126	-	-
13C2-PFDoDA (surr.)	1	%	136	144	-	-
13C2-PFTeDA (surr.)	1	%	138	127	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
13C8-FOSA (surr.)	1	%	115	98	-	-
D3-N-MeFOSA (surr.)	1	%	128	145	-	-
D5-N-EtFOSA (surr.)	1	%	146	125	-	-
D7-N-MeFOSE (surr.)	1	%	118	117	-	-
D9-N-EtFOSE (surr.)	1	%	114	103	-	-
D5-N-EtFOSAA (surr.)	1	%	136	123	-	-
D3-N-MeFOSAA (surr.)	1	%	124	126	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	-	-
13C3-PFBS (surr.)	1	%	129	113	-	-
18O2-PFHxS (surr.)	1	%	112	108	-	-
13C8-PFOS (surr.)	1	%	123	117	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	133	105	-	-
13C2-6:2 FTSA (surr.)	1	%	117	103	-	-
13C2-8:2 FTSA (surr.)	1	%	130	96	-	-
13C2-10:2 FTSA (surr.)	1	%	186	192	-	-

Client Sample ID			QA1	QA2	TS	TB
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S24-Oc0070339	S24-Oc0070341	S24-Oc0070343	S24-Oc0070344
Date Sampled			Oct 22, 2024	Oct 23, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	-	-
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	%	105	105	-	-
p-Terphenyl-d14 (surr.)	1	%	111	98	-	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	-	-	99	-
TRH C6-C9	1	%	-	-	98	-
BTEX						
Benzene	1	%	-	-	98	-
Ethylbenzene	1	%	-	-	100	-
m&p-Xylenes	1	%	-	-	100	-
o-Xylene	1	%	-	-	100	-
Toluene	1	%	-	-	99	-
Xylenes - Total	1	%	-	-	100	-
4-Bromofluorobenzene (surr.)	1	%	-	-	107	-
BTEX and Naphthalene						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			EIL
Sample Matrix			Soil
Eurofins Sample No.			S24-Oc0074353
Date Sampled			Oct 25, 2024
Test/Reference	LOR	Unit	
% Clay	2.5	%	< 2.5
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	60
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	7.3
Total Organic Carbon	0.1	%	3.5
Heavy Metals			
Iron (%)	0.01	%	1.4
Heavy Metals			
Iron	20	mg/kg	14000
Sample Properties			
% Moisture	1	%	30
Cation Exchange Capacity			
Cation Exchange Capacity	0.5	meq/100g	41

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	Sydney	Oct 30, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 30, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Oct 30, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Oct 30, 2024	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Eurofins Suite B6: BTEX/TRH/M8			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 30, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Metals M8	Sydney	Oct 30, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Oct 30, 2024	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Oct 30, 2024	14 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Oct 31, 2024	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Oct 31, 2024	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Oct 31, 2024	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P			
Ammonia (as N)	Sydney	Oct 30, 2024	28 Days
- Method: LTM-INO-4200 Ammonia by Discrete Analyser			
Nitrate & Nitrite (as N)	Melbourne	Nov 01, 2024	28 Days
- Method: LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA			
Nitrate (as N)	Melbourne	Nov 01, 2024	28 Days
- Method: LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA			
Nitrite (as N)	Melbourne	Nov 01, 2024	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Organic Nitrogen (as N)*	Melbourne	Oct 30, 2024	7 Days
- Method: APHA 4500 Organic Nitrogen (N)			
Phosphorus reactive (as P)	Sydney	Oct 30, 2024	28 Days
- Method: E052 Reactive phosphate (as P)			
Total Kjeldahl Nitrogen (as N)	Melbourne	Nov 01, 2024	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Heavy Metals	Sydney	Oct 31, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
NEPM Screen for Soil Classification			
% Clay	Brisbane	Nov 08, 2024	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Oct 31, 2024	7 Days
- Method: LTM-INO-4030 Conductivity			
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Sydney	Oct 31, 2024	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Melbourne	Nov 06, 2024	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Cation Exchange Capacity	Melbourne	Nov 06, 2024	28 Days

Description	Testing Site	Extracted	Holding Time
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
% Moisture	Sydney	Oct 29, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Oct 31, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Oct 31, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Oct 31, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Oct 31, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Polycyclic Aromatic Hydrocarbons	Sydney	Oct 30, 2024	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1153612
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254						X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780										X							
External Laboratory				X			X										

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID														
1	TP24/0.1	Oct 22, 2024		Soil	S24-Oc0070252				X			X	X	X			X		X	X	X	
2	TP24/1.5	Oct 22, 2024		Soil	S24-Oc0070253	X			X			X		X							X	
3	TP25/0.5	Oct 22, 2024		Soil	S24-Oc0070254				X			X	X	X		X				X	X	
4	TP25/1.5	Oct 22, 2024		Soil	S24-Oc0070255				X			X		X							X	
5	TP17/0.1	Oct 22, 2024		Soil	S24-Oc0070256				X			X										
6	TP17/0.5	Oct 22, 2024		Soil	S24-Oc0070257	X			X			X	X	X			X		X	X	X	
7	TP16/0.1	Oct 23, 2024		Soil	S24-Oc0070258				X			X	X	X			X		X	X	X	
8	TP16/0.5	Oct 23, 2024		Soil	S24-Oc0070259				X			X		X							X	
9	TP22/1.0	Oct 23, 2024		Soil	S24-Oc0070260				X			X	X	X		X				X	X	
10	TP23/0.3	Oct 23, 2024		Soil	S24-Oc0070261				X			X	X	X		X				X	X	
11	TP15/0.1	Oct 23, 2024		Soil	S24-Oc0070262				X			X										
12	TP15/0.5	Oct 23, 2024		Soil	S24-Oc0070263				X			X	X	X			X		X	X	X	

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Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
13	TP01/0.1	Oct 24, 2024		Soil	S24-Oc0070264				X			X		X							X	
14	TP01/0.5	Oct 24, 2024		Soil	S24-Oc0070265				X			X	X	X			X		X	X	X	
15	TP02/0.1	Oct 24, 2024		Soil	S24-Oc0070266				X			X	X	X			X		X	X	X	
16	TP02/1.0	Oct 24, 2024		Soil	S24-Oc0070267				X			X										
17	TP03/0.1	Oct 24, 2024		Soil	S24-Oc0070268				X			X	X	X		X				X	X	
18	TP03/0.5	Oct 24, 2024		Soil	S24-Oc0070269				X			X										
19	TP04/0.1	Oct 24, 2024		Soil	S24-Oc0070270				X			X		X							X	
20	TP04/0.5	Oct 24, 2024		Soil	S24-Oc0070271				X			X	X	X			X		X	X	X	
21	TP05/0.1	Oct 24, 2024		Soil	S24-Oc0070272				X			X	X	X			X		X	X	X	
22	TP05/0.5	Oct 24, 2024		Soil	S24-Oc0070273				X			X										
23	TP12/0.5	Oct 24, 2024		Soil	S24-Oc0070274				X			X	X			X				X	X	
24	TP12/1.0	Oct 24, 2024		Soil	S24-Oc0070275				X			X										
25	TP13/0.1	Oct 24, 2024		Soil	S24-Oc0070276				X			X	X	X		X				X	X	
26	TP13/0.5	Oct 24, 2024		Soil	S24-Oc0070277				X			X										
27	TP14/0.1	Oct 24, 2024		Soil	S24-Oc0070278				X			X	X	X			X		X	X	X	

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+64 3 343 5201
IANZ# 1290

Tauranga
1277 Cameron Road,
Gate Pa,
Tauranga 3112
+64 9 525 0568
IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1153612
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
28	TP14/0.5	Oct 24, 2024		Soil	S24-Oc0070279				X			X										
29	TP24/2.0	Oct 22, 2024		Soil	S24-Oc0070280								X	X			X		X	X		
30	TP24/2.5	Oct 22, 2024		Soil	S24-Oc0070281					X												
31	TP25/2.5	Oct 22, 2024		Soil	S24-Oc0070282								X	X		X				X		
32	TP26/0.2	Oct 22, 2024		Soil	S24-Oc0070283	X							X	X			X		X	X		
33	TP26/1.0	Oct 22, 2024		Soil	S24-Oc0070284					X												
34	TP26/1.8	Oct 22, 2024		Soil	S24-Oc0070285					X												
35	TP27/0.1	Oct 22, 2024		Soil	S24-Oc0070286								X	X			X		X	X	X	
36	TP27/0.7	Oct 22, 2024		Soil	S24-Oc0070287	X								X								
37	TP29/0.2	Oct 22, 2024		Soil	S24-Oc0070288	X							X	X			X		X	X	X	
38	TP29/1.2	Oct 22, 2024		Soil	S24-Oc0070289	X								X								
39	TP29/2.2	Oct 22, 2024		Soil	S24-Oc0070290						X											
40	TP30/0.1	Oct 22, 2024		Soil	S24-Oc0070291					X												
41	TP30/1.0	Oct 22, 2024		Soil	S24-Oc0070292								X	X			X		X	X	X	
42	TP20/1.2	Oct 22, 2024		Soil	S24-Oc0070293	X							X	X			X		X	X		

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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
43	TP20/2.5	Oct 22, 2024		Soil	S24-Oc0070294	X								X								
44	TP19/0.1	Oct 22, 2024		Soil	S24-Oc0070295	X							X	X		X				X		
45	TP19/1.0	Oct 22, 2024		Soil	S24-Oc0070296								X	X			X		X	X		
46	TP18/0.1	Oct 22, 2024		Soil	S24-Oc0070297								X	X			X		X	X	X	
47	TP18/0.6	Oct 22, 2024		Soil	S24-Oc0070298	X							X	X		X				X		
48	TP16/1.0	Oct 23, 2024		Soil	S24-Oc0070299								X	X			X		X	X	X	
49	TP21/0.1	Oct 23, 2024		Soil	S24-Oc0070300								X	X		X				X		
50	TP21/1.0	Oct 23, 2024		Soil	S24-Oc0070301					X												
51	TP22/0.1	Oct 23, 2024		Soil	S24-Oc0070302				X			X		X							X	
52	TP22/2.0	Oct 23, 2024		Soil	S24-Oc0070303				X			X	X	X		X				X	X	
53	TP23/1.0	Oct 23, 2024		Soil	S24-Oc0070304								X	X		X				X		
54	TP31/0.1	Oct 23, 2024		Soil	S24-Oc0070305									X						X		
55	TP31/0.9	Oct 23, 2024		Soil	S24-Oc0070306								X	X		X						
56	TP31/1.0	Oct 23, 2024		Soil	S24-Oc0070307								X	X			X		X	X		
57	TP15/1.0	Oct 23, 2024		Soil	S24-Oc0070308								X	X		X				X		

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
58	TP09/0.1	Oct 23, 2024		Soil	S24-Oc0070309	X							X	X			X		X	X		
59	TP09/1.5	Oct 23, 2024		Soil	S24-Oc0070310	X							X	X			X		X	X		
60	TP09/2.7	Oct 23, 2024		Soil	S24-Oc0070311	X							X	X			X		X	X		
61	TP04/1.0	Oct 24, 2024		Soil	S24-Oc0070312					X												
62	TP11/0.2	Oct 24, 2024		Soil	S24-Oc0070313				X			X		X							X	
63	TP11/0.5	Oct 24, 2024		Soil	S24-Oc0070314				X			X										
64	TP11/1.2	Oct 24, 2024		Soil	S24-Oc0070315	X							X	X			X		X	X		
65	TP13/1.0	Oct 24, 2024		Soil	S24-Oc0070316				X			X	X	X		X				X	X	
66	TP14/1.0	Oct 24, 2024		Soil	S24-Oc0070317								X	X			X		X	X	X	
67	TP10/1.0	Oct 24, 2024		Soil	S24-Oc0070318	X							X	X			X		X	X		
68	TP10/2.0	Oct 24, 2024		Soil	S24-Oc0070319					X												
69	TP10/3.0	Oct 24, 2024		Soil	S24-Oc0070320					X												
70	TP08/0.1	Oct 24, 2024		Soil	S24-Oc0070321	X							X	X			X		X	X		
71	TP08/0.6	Oct 24, 2024		Soil	S24-Oc0070322	X								X								
72	TP06/0.5	Oct 24, 2024		Soil	S24-Oc0070323	X							X	X			X		X	X		

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
73	TP06/1.5	Oct 24, 2024		Soil	S24-Oc0070324	X							X	X			X		X	X		
74	TP06/2.0	Oct 24, 2024		Soil	S24-Oc0070325	X								X								
75	TP07/0.2	Oct 24, 2024		Soil	S24-Oc0070326	X							X	X			X		X	X		
76	TP07/1.0	Oct 24, 2024		Soil	S24-Oc0070327	X								X								
77	TP07/1.8	Oct 24, 2024		Soil	S24-Oc0070328	X							X	X			X		X	X		
78	TP29/0.2_ACM	Oct 22, 2024		Building Materials	S24-Oc0070329		X															
79	TP20/1.2_ACM	Oct 22, 2024		Building Materials	S24-Oc0070330		X															
80	TP20/2.5_ACM	Oct 22, 2024		Building Materials	S24-Oc0070331		X															
81	TP09/1.5_ACM	Oct 23, 2024		Building Materials	S24-Oc0070332		X															
82	TP09/2.7_ACM	Oct 23, 2024		Building Materials	S24-Oc0070333		X															
83	TP11/1.2_ACM	Oct 24, 2024		Building Materials	S24-Oc0070334		X															

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
84	TP08/0.6_ACM	Oct 24, 2024		Building Materials	S24-Oc0070335		X															
85	TP06/1.5_ACM	Oct 24, 2024		Building Materials	S24-Oc0070336		X															
86	TP06/2_ACM	Oct 24, 2024		Building Materials	S24-Oc0070337		X															
87	TP07/1.8_ACM	Oct 24, 2024		Building Materials	S24-Oc0070338		X															
88	QA1	Oct 22, 2024		Soil	S24-Oc0070339								X	X		X				X		
89	QA2	Oct 23, 2024		Soil	S24-Oc0070341								X	X		X				X		
90	TS	Oct 25, 2024		Trip Spike (solid)	S24-Oc0070343																	X
91	TB	Oct 25, 2024		Trip Blank (solid)	S24-Oc0070344													X				
92	TP35/0.5	Oct 25, 2024		Soil	S24-Oc0074344					X												
93	TP34/2.0	Oct 25, 2024		Soil	S24-Oc0074345					X												
94	TP33/1.5	Oct 25, 2024		Soil	S24-Oc0074346					X												

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
95	TP32/1.2	Oct 25, 2024		Soil	S24-Oc0074347					X												
96	TP32/1.6	Oct 25, 2024		Soil	S24-Oc0074348			X														
97	TP36/1.0	Oct 25, 2024		Soil	S24-Oc0074349					X												
98	TP37/0.5	Oct 25, 2024		Soil	S24-Oc0074350					X												
99	TP37/2.5	Oct 25, 2024		Soil	S24-Oc0074351					X												
100	QA3	Oct 25, 2024		Soil	S24-Oc0074352					X												
101	EIL	Oct 25, 2024		Soil	S24-Oc0074353									X	X							
Test Counts						23	10	1	33	17	17	33	48	61	1	17	30	1	30	47	30	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 (*bis*-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							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Phosphorus	mg/kg	< 10			10	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
1-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
1-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.4-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2-Methylnaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
2-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
2-Nitroaniline	mg/kg	< 1			1	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2-Picoline	mg/kg	< 0.5			0.5	Pass	
2.3.4.6-Tetrachlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrophenol	mg/kg	< 5			5	Pass	
2.4-Dinitrotoluene	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	
2.6-Dinitrotoluene	mg/kg	< 1			1	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
3-Methylcholanthrene	mg/kg	< 0.5			0.5	Pass	
3.3'-Dichlorobenzidine	mg/kg	< 0.5			0.5	Pass	
4-Aminobiphenyl	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
4.4'-DDD	mg/kg	< 0.5			0.5	Pass	
4.4'-DDE	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4.4'-DDT	mg/kg	< 1			1	Pass	
7.12-Dimethylbenz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
a-HCH	mg/kg	< 0.5			0.5	Pass	
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Acetophenone	mg/kg	< 0.5			0.5	Pass	
Aldrin	mg/kg	< 0.5			0.5	Pass	
Aniline	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
b-HCH	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	
Benzyl chloride	mg/kg	< 0.5			0.5	Pass	
Bis(2-ethylhexyl)phthalate	mg/kg	< 5			5	Pass	
Butyl benzyl phthalate	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
d-HCH	mg/kg	< 0.5			0.5	Pass	
Di-n-butyl phthalate	mg/kg	< 0.5			0.5	Pass	
Di-n-octyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.j)acridine	mg/kg	< 0.5			0.5	Pass	
Dibenzofuran	mg/kg	< 0.5			0.5	Pass	
Dieldrin	mg/kg	< 0.5			0.5	Pass	
Diethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethylaminoazobenzene	mg/kg	< 0.5			0.5	Pass	
Diphenylamine	mg/kg	< 0.5			0.5	Pass	
Endosulfan I	mg/kg	< 0.5			0.5	Pass	
Endosulfan II	mg/kg	< 0.5			0.5	Pass	
Endosulfan sulphate	mg/kg	< 0.5			0.5	Pass	
Endrin	mg/kg	< 0.5			0.5	Pass	
Endrin aldehyde	mg/kg	< 0.5			0.5	Pass	
Endrin ketone	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
g-HCH (Lindane)	mg/kg	< 0.5			0.5	Pass	
Heptachlor	mg/kg	< 0.5			0.5	Pass	
Heptachlor epoxide	mg/kg	< 0.5			0.5	Pass	
Hexachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Hexachlorobutadiene	mg/kg	< 0.5			0.5	Pass	
Hexachlorocyclopentadiene	mg/kg	< 1			1	Pass	
Hexachloroethane	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Methoxychlor	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodibutylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodipropylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosopiperidine	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Nitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachloronitrobenzene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Pentachlorophenol	mg/kg	< 1			1	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Pronamide	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Trifluralin	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Ammonia (as N)	mg/kg	< 5			5	Pass	
Method Blank							
Phosphorus reactive (as P)	mg/kg	< 0.1			0.1	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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
1-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
1-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.4-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2-Methylnaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
2-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
2-Nitroaniline	mg/kg	< 1			1	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2-Picoline	mg/kg	< 0.5			0.5	Pass	
2.3.4.6-Tetrachlorophenol	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-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrophenol	mg/kg	< 5			5	Pass	
2.4-Dinitrotoluene	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	
2.6-Dinitrotoluene	mg/kg	< 1			1	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
3-Methylcholanthrene	mg/kg	< 0.5			0.5	Pass	
3.3'-Dichlorobenzidine	mg/kg	< 0.5			0.5	Pass	
4-Aminobiphenyl	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
4.4'-DDD	mg/kg	< 0.5			0.5	Pass	
4.4'-DDE	mg/kg	< 0.5			0.5	Pass	
4.4'-DDT	mg/kg	< 1			1	Pass	
7.12-Dimethylbenz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
a-HCH	mg/kg	< 0.5			0.5	Pass	
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Acetophenone	mg/kg	< 0.5			0.5	Pass	
Aldrin	mg/kg	< 0.5			0.5	Pass	
Aniline	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
b-HCH	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	
Benzyl chloride	mg/kg	< 0.5			0.5	Pass	
Bis(2-ethylhexyl)phthalate	mg/kg	< 5			5	Pass	
Butyl benzyl phthalate	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
d-HCH	mg/kg	< 0.5			0.5	Pass	
Di-n-butyl phthalate	mg/kg	< 0.5			0.5	Pass	
Di-n-octyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.j)acridine	mg/kg	< 0.5			0.5	Pass	
Dibenzofuran	mg/kg	< 0.5			0.5	Pass	
Dieldrin	mg/kg	< 0.5			0.5	Pass	
Diethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethylaminoazobenzene	mg/kg	< 0.5			0.5	Pass	
Diphenylamine	mg/kg	< 0.5			0.5	Pass	
Endosulfan I	mg/kg	< 0.5			0.5	Pass	
Endosulfan II	mg/kg	< 0.5			0.5	Pass	
Endosulfan sulphate	mg/kg	< 0.5			0.5	Pass	
Endrin	mg/kg	< 0.5			0.5	Pass	
Endrin aldehyde	mg/kg	< 0.5			0.5	Pass	
Endrin ketone	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
g-HCH (Lindane)	mg/kg	< 0.5			0.5	Pass	
Heptachlor	mg/kg	< 0.5			0.5	Pass	
Heptachlor epoxide	mg/kg	< 0.5			0.5	Pass	
Hexachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Hexachlorobutadiene	mg/kg	< 0.5			0.5	Pass	
Hexachlorocyclopentadiene	mg/kg	< 1			1	Pass	
Hexachloroethane	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Methoxychlor	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodibutylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodipropylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosopiperidine	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Nitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachloronitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Pronamide	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Trifluralin	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Phosphorus	mg/kg	< 10			10	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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Semivolatile Organics							
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							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Phosphorus	mg/kg	< 10			10	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							
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
1-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
1-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.4-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2-Methylnaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
2-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
2-Nitroaniline	mg/kg	< 1			1	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2-Picoline	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.3.4.6-Tetrachlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrophenol	mg/kg	< 5			5	Pass	
2.4-Dinitrotoluene	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	
2.6-Dinitrotoluene	mg/kg	< 1			1	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
3-Methylcholanthrene	mg/kg	< 0.5			0.5	Pass	
3.3'-Dichlorobenzidine	mg/kg	< 0.5			0.5	Pass	
4-Aminobiphenyl	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
4.4'-DDD	mg/kg	< 0.5			0.5	Pass	
4.4'-DDE	mg/kg	< 0.5			0.5	Pass	
4.4'-DDT	mg/kg	< 1			1	Pass	
7.12-Dimethylbenz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
a-HCH	mg/kg	< 0.5			0.5	Pass	
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Acetophenone	mg/kg	< 0.5			0.5	Pass	
Aldrin	mg/kg	< 0.5			0.5	Pass	
Aniline	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
b-HCH	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	
Benzyl chloride	mg/kg	< 0.5			0.5	Pass	
Bis(2-ethylhexyl)phthalate	mg/kg	< 5			5	Pass	
Butyl benzyl phthalate	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
d-HCH	mg/kg	< 0.5			0.5	Pass	
Di-n-butyl phthalate	mg/kg	< 0.5			0.5	Pass	
Di-n-octyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.j)acridine	mg/kg	< 0.5			0.5	Pass	
Dibenzofuran	mg/kg	< 0.5			0.5	Pass	
Dieldrin	mg/kg	< 0.5			0.5	Pass	
Diethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethylaminoazobenzene	mg/kg	< 0.5			0.5	Pass	
Diphenylamine	mg/kg	< 0.5			0.5	Pass	
Endosulfan I	mg/kg	< 0.5			0.5	Pass	
Endosulfan II	mg/kg	< 0.5			0.5	Pass	
Endosulfan sulphate	mg/kg	< 0.5			0.5	Pass	
Endrin	mg/kg	< 0.5			0.5	Pass	
Endrin aldehyde	mg/kg	< 0.5			0.5	Pass	
Endrin ketone	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluorene	mg/kg	< 0.5			0.5	Pass	
g-HCH (Lindane)	mg/kg	< 0.5			0.5	Pass	
Heptachlor	mg/kg	< 0.5			0.5	Pass	
Heptachlor epoxide	mg/kg	< 0.5			0.5	Pass	
Hexachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Hexachlorobutadiene	mg/kg	< 0.5			0.5	Pass	
Hexachlorocyclopentadiene	mg/kg	< 1			1	Pass	
Hexachloroethane	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Methoxychlor	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodibutylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodipropylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosopiperidine	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Nitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachloronitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Pronamide	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Trifluralin	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	mg/kg	< 0.5			0.5	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							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 5			5	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							
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	
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							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	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							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heavy Metals							
Phosphorus	mg/kg	< 10			10	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							
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
1-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
1-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.4-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2-Methylnaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
2-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
2-Nitroaniline	mg/kg	< 1			1	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2-Picoline	mg/kg	< 0.5			0.5	Pass	
2.3.4.6-Tetrachlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrophenol	mg/kg	< 5			5	Pass	
2.4-Dinitrotoluene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
2.6-Dinitrotoluene	mg/kg	< 1			1	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
3-Methylcholanthrene	mg/kg	< 0.5			0.5	Pass	
3.3'-Dichlorobenzidine	mg/kg	< 0.5			0.5	Pass	
4-Aminobiphenyl	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
4.4'-DDD	mg/kg	< 0.5			0.5	Pass	
4.4'-DDE	mg/kg	< 0.5			0.5	Pass	
4.4'-DDT	mg/kg	< 1			1	Pass	
7.12-Dimethylbenz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
a-HCH	mg/kg	< 0.5			0.5	Pass	
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Acetophenone	mg/kg	< 0.5			0.5	Pass	
Aldrin	mg/kg	< 0.5			0.5	Pass	
Aniline	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
b-HCH	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	
Benzyl chloride	mg/kg	< 0.5			0.5	Pass	
Bis(2-ethylhexyl)phthalate	mg/kg	< 5			5	Pass	
Butyl benzyl phthalate	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
d-HCH	mg/kg	< 0.5			0.5	Pass	
Di-n-butyl phthalate	mg/kg	< 0.5			0.5	Pass	
Di-n-octyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.j)acridine	mg/kg	< 0.5			0.5	Pass	
Dibenzofuran	mg/kg	< 0.5			0.5	Pass	
Dieldrin	mg/kg	< 0.5			0.5	Pass	
Diethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethylaminoazobenzene	mg/kg	< 0.5			0.5	Pass	
Diphenylamine	mg/kg	< 0.5			0.5	Pass	
Endosulfan I	mg/kg	< 0.5			0.5	Pass	
Endosulfan II	mg/kg	< 0.5			0.5	Pass	
Endosulfan sulphate	mg/kg	< 0.5			0.5	Pass	
Endrin	mg/kg	< 0.5			0.5	Pass	
Endrin aldehyde	mg/kg	< 0.5			0.5	Pass	
Endrin ketone	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
g-HCH (Lindane)	mg/kg	< 0.5			0.5	Pass	
Heptachlor	mg/kg	< 0.5			0.5	Pass	
Heptachlor epoxide	mg/kg	< 0.5			0.5	Pass	
Hexachlorobenzene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Hexachlorobutadiene	mg/kg	< 0.5			0.5	Pass	
Hexachlorocyclopentadiene	mg/kg	< 1			1	Pass	
Hexachloroethane	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Methoxychlor	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodibutylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodipropylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosopiperidine	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Nitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachloronitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Pronamide	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Trifluralin	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	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							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	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							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	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	
Iron	mg/kg	< 20			20	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	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	96			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	96			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	101			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	94			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	107			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	92			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	95			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	92			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	98			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	98			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	90			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	93			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	99			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	99			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	95			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	85			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	97			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	106			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	89			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	100			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	77			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	78			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	98			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	94			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	95			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	76			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	90			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	124			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	90			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	95			50-150	Pass	
LCS - % Recovery							
Heavy Metals							
Phosphorus	%	108			80-120	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heavy Metals							
Arsenic	%	104			80-120	Pass	
Cadmium	%	104			80-120	Pass	
Chromium	%	107			80-120	Pass	
Copper	%	103			80-120	Pass	
Lead	%	101			80-120	Pass	
Mercury	%	108			80-120	Pass	
Nickel	%	103			80-120	Pass	
Zinc	%	102			80-120	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	109			70-130	Pass	
4.4'-DDD	%	107			70-130	Pass	
4.4'-DDE	%	108			70-130	Pass	
4.4'-DDT	%	110			70-130	Pass	
a-HCH	%	106			70-130	Pass	
Aldrin	%	109			70-130	Pass	
b-HCH	%	103			70-130	Pass	
d-HCH	%	103			70-130	Pass	
Dieldrin	%	107			70-130	Pass	
Endosulfan I	%	107			70-130	Pass	
Endosulfan II	%	105			70-130	Pass	
Endosulfan sulphate	%	100			70-130	Pass	
Endrin	%	115			70-130	Pass	
Endrin aldehyde	%	93			70-130	Pass	
Endrin ketone	%	105			70-130	Pass	
g-HCH (Lindane)	%	107			70-130	Pass	
Heptachlor	%	109			70-130	Pass	
Heptachlor epoxide	%	105			70-130	Pass	
Hexachlorobenzene	%	107			70-130	Pass	
Methoxychlor	%	102			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	107			70-130	Pass	
Dimethoate	%	105			70-130	Pass	
Ethion	%	105			70-130	Pass	
Fenitrothion	%	117			70-130	Pass	
Methyl parathion	%	122			70-130	Pass	
Mevinphos	%	101			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	97			70-130	Pass	
Aroclor-1260	%	108			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	100			25-140	Pass	
1.2.4-Trichlorobenzene	%	102			70-130	Pass	
1.4-Dichlorobenzene	%	94			70-130	Pass	
2-Chlorophenol	%	95			25-140	Pass	
2-Methylphenol (o-Cresol)	%	94			25-140	Pass	
2-Nitrophenol	%	98			25-140	Pass	
2.4-Dichlorophenol	%	92			25-140	Pass	
2.4-Dimethylphenol	%	94			25-140	Pass	
2.4-Dinitrophenol	%	105			25-140	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.4-Dinitrotoluene	%	95			70-130	Pass	
2.4.5-Trichlorophenol	%	93			25-140	Pass	
2.4.6-Trichlorophenol	%	86			25-140	Pass	
2.6-Dichlorophenol	%	93			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	94			25-140	Pass	
4-Chloro-3-methylphenol	%	95			25-140	Pass	
4-Nitrophenol	%	93			25-140	Pass	
Acenaphthene	%	95			70-130	Pass	
Acenaphthylene	%	97			70-130	Pass	
Anthracene	%	102			70-130	Pass	
Benz(a)anthracene	%	93			70-130	Pass	
Benzo(a)pyrene	%	98			70-130	Pass	
Benzo(b&j)fluoranthene	%	101			70-130	Pass	
Benzo(g.h.i)perylene	%	101			70-130	Pass	
Benzo(k)fluoranthene	%	97			70-130	Pass	
Chrysene	%	100			70-130	Pass	
Dibenz(a.h)anthracene	%	96			70-130	Pass	
Endrin aldehyde	%	93			70-130	Pass	
Fluoranthene	%	97			70-130	Pass	
Fluorene	%	100			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	98			70-130	Pass	
N-Nitrosodipropylamine	%	105			70-130	Pass	
Naphthalene	%	96			70-130	Pass	
Pentachlorophenol	%	96			25-140	Pass	
Phenanthrene	%	94			70-130	Pass	
Phenol	%	97			25-140	Pass	
Pyrene	%	95			70-130	Pass	
LCS - % Recovery							
Ammonia (as N)	%	95			70-130	Pass	
LCS - % Recovery							
Phosphorus reactive (as P)	%	106			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	103			70-130	Pass	
4.4'-DDD	%	104			70-130	Pass	
4.4'-DDE	%	104			70-130	Pass	
4.4'-DDT	%	105			70-130	Pass	
a-HCH	%	103			70-130	Pass	
Aldrin	%	103			70-130	Pass	
b-HCH	%	102			70-130	Pass	
d-HCH	%	98			70-130	Pass	
Dieldrin	%	103			70-130	Pass	
Endosulfan I	%	104			70-130	Pass	
Endosulfan II	%	97			70-130	Pass	
Endosulfan sulphate	%	93			70-130	Pass	
Endrin	%	108			70-130	Pass	
Endrin aldehyde	%	89			70-130	Pass	
Endrin ketone	%	91			70-130	Pass	
g-HCH (Lindane)	%	102			70-130	Pass	
Heptachlor	%	108			70-130	Pass	
Heptachlor epoxide	%	99			70-130	Pass	
Hexachlorobenzene	%	103			70-130	Pass	
Methoxychlor	%	99			70-130	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Organophosphorus Pesticides							
Diazinon	%	97			70-130	Pass	
Dimethoate	%	101			70-130	Pass	
Ethion	%	97			70-130	Pass	
Fenitrothion	%	109			70-130	Pass	
Methyl parathion	%	116			70-130	Pass	
Mevinphos	%	98			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	93			70-130	Pass	
Aroclor-1260	%	101			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	99			25-140	Pass	
1.2.4-Trichlorobenzene	%	88			70-130	Pass	
1.4-Dichlorobenzene	%	80			70-130	Pass	
2-Chlorophenol	%	95			25-140	Pass	
2-Methylphenol (o-Cresol)	%	94			25-140	Pass	
2-Nitrophenol	%	101			25-140	Pass	
2.4-Dichlorophenol	%	92			25-140	Pass	
2.4-Dimethylphenol	%	95			25-140	Pass	
2.4-Dinitrophenol	%	101			25-140	Pass	
2.4-Dinitrotoluene	%	86			70-130	Pass	
2.4.5-Trichlorophenol	%	88			25-140	Pass	
2.4.6-Trichlorophenol	%	107			25-140	Pass	
2.6-Dichlorophenol	%	97			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	95			25-140	Pass	
4-Chloro-3-methylphenol	%	94			25-140	Pass	
4-Nitrophenol	%	97			25-140	Pass	
Acenaphthene	%	95			70-130	Pass	
Acenaphthylene	%	94			70-130	Pass	
Anthracene	%	95			70-130	Pass	
Benz(a)anthracene	%	86			70-130	Pass	
Benzo(a)pyrene	%	91			70-130	Pass	
Benzo(b&j)fluoranthene	%	87			70-130	Pass	
Benzo(g.h.i)perylene	%	91			70-130	Pass	
Benzo(k)fluoranthene	%	99			70-130	Pass	
Chrysene	%	94			70-130	Pass	
Dibenz(a.h)anthracene	%	88			70-130	Pass	
Endrin aldehyde	%	89			70-130	Pass	
Fluoranthene	%	95			70-130	Pass	
Fluorene	%	99			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	89			70-130	Pass	
N-Nitrosodipropylamine	%	90			70-130	Pass	
Naphthalene	%	95			70-130	Pass	
Pentachlorophenol	%	84			25-140	Pass	
Phenanthrene	%	94			70-130	Pass	
Phenol	%	94			25-140	Pass	
Pyrene	%	93			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Phosphorus	%	101			80-120	Pass	
LCS - % Recovery							
Heavy Metals							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Arsenic	%	107			80-120	Pass	
Cadmium	%	106			80-120	Pass	
Chromium	%	102			80-120	Pass	
Copper	%	99			80-120	Pass	
Lead	%	100			80-120	Pass	
Mercury	%	113			80-120	Pass	
Nickel	%	100			80-120	Pass	
Zinc	%	99			80-120	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	96			70-130	Pass	
4.4'-DDD	%	106			70-130	Pass	
4.4'-DDE	%	101			70-130	Pass	
Aldrin	%	97			70-130	Pass	
b-HCH	%	94			70-130	Pass	
d-HCH	%	88			70-130	Pass	
Dieldrin	%	100			70-130	Pass	
Endosulfan I	%	97			70-130	Pass	
Endosulfan II	%	100			70-130	Pass	
Endosulfan sulphate	%	101			70-130	Pass	
Endrin	%	117			70-130	Pass	
Endrin aldehyde	%	95			70-130	Pass	
Endrin ketone	%	116			70-130	Pass	
Heptachlor	%	107			70-130	Pass	
Heptachlor epoxide	%	93			70-130	Pass	
Hexachlorobenzene	%	100			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	95			70-130	Pass	
Dimethoate	%	95			70-130	Pass	
Ethion	%	102			70-130	Pass	
Fenitrothion	%	102			70-130	Pass	
Methyl parathion	%	112			70-130	Pass	
Mevinphos	%	100			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	88			70-130	Pass	
Aroclor-1260	%	78			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
Acenaphthene	%	96			70-130	Pass	
Acenaphthylene	%	91			70-130	Pass	
Anthracene	%	90			70-130	Pass	
Benz(a)anthracene	%	91			70-130	Pass	
Benzo(a)pyrene	%	94			70-130	Pass	
Benzo(b&j)fluoranthene	%	87			70-130	Pass	
Benzo(g.h.i)perylene	%	96			70-130	Pass	
Benzo(k)fluoranthene	%	100			70-130	Pass	
Chrysene	%	103			70-130	Pass	
Dibenz(a.h)anthracene	%	99			70-130	Pass	
Fluoranthene	%	91			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	94			70-130	Pass	
Phenanthrene	%	88			70-130	Pass	
Pyrene	%	94			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	99			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	96			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	107			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	97			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	112			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	108			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	100			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	98			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	106			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	103			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	98			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	105			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	103			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	97			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	96			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	107			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	104			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	105			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	97			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	97			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	86			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	89			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	96			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	95			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	97			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	83			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	95			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	117			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	94			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	102			50-150	Pass	
LCS - % Recovery							
Heavy Metals							
Phosphorus	%	108			80-120	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	105			80-120	Pass	
Cadmium	%	101			80-120	Pass	
Chromium	%	103			80-120	Pass	
Copper	%	100			80-120	Pass	
Lead	%	97			80-120	Pass	
Mercury	%	104			80-120	Pass	
Nickel	%	103			80-120	Pass	
Zinc	%	101			80-120	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	104			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4.4'-DDD	%	104			70-130	Pass	
4.4'-DDE	%	105			70-130	Pass	
4.4'-DDT	%	103			70-130	Pass	
a-HCH	%	103			70-130	Pass	
Aldrin	%	102			70-130	Pass	
b-HCH	%	103			70-130	Pass	
d-HCH	%	103			70-130	Pass	
Dieldrin	%	105			70-130	Pass	
Endosulfan I	%	101			70-130	Pass	
Endosulfan II	%	97			70-130	Pass	
Endosulfan sulphate	%	94			70-130	Pass	
Endrin	%	105			70-130	Pass	
Endrin aldehyde	%	87			70-130	Pass	
Endrin ketone	%	95			70-130	Pass	
g-HCH (Lindane)	%	104			70-130	Pass	
Heptachlor	%	105			70-130	Pass	
Heptachlor epoxide	%	101			70-130	Pass	
Hexachlorobenzene	%	104			70-130	Pass	
Methoxychlor	%	99			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	99			70-130	Pass	
Dimethoate	%	102			70-130	Pass	
Ethion	%	90			70-130	Pass	
Fenitrothion	%	108			70-130	Pass	
Methyl parathion	%	117			70-130	Pass	
Mevinphos	%	91			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	94			70-130	Pass	
Aroclor-1260	%	103			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	89			25-140	Pass	
1.2.4-Trichlorobenzene	%	87			70-130	Pass	
1.4-Dichlorobenzene	%	80			70-130	Pass	
2-Chlorophenol	%	94			25-140	Pass	
2-Methylphenol (o-Cresol)	%	93			25-140	Pass	
2-Nitrophenol	%	98			25-140	Pass	
2.4-Dichlorophenol	%	89			25-140	Pass	
2.4-Dimethylphenol	%	94			25-140	Pass	
2.4-Dinitrophenol	%	84			25-140	Pass	
2.4-Dinitrotoluene	%	85			70-130	Pass	
2.4.5-Trichlorophenol	%	96			25-140	Pass	
2.4.6-Trichlorophenol	%	100			25-140	Pass	
2.6-Dichlorophenol	%	92			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	95			25-140	Pass	
4-Chloro-3-methylphenol	%	91			25-140	Pass	
4-Nitrophenol	%	86			25-140	Pass	
Acenaphthene	%	94			70-130	Pass	
Acenaphthylene	%	94			70-130	Pass	
Anthracene	%	97			70-130	Pass	
Benz(a)anthracene	%	85			70-130	Pass	
Benzo(a)pyrene	%	90			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benzo(b&j)fluoranthene	%	92			70-130	Pass	
Benzo(g.h.i)perylene	%	93			70-130	Pass	
Benzo(k)fluoranthene	%	92			70-130	Pass	
Chrysene	%	95			70-130	Pass	
Dibenz(a.h)anthracene	%	89			70-130	Pass	
Endrin aldehyde	%	87			70-130	Pass	
Fluoranthene	%	93			70-130	Pass	
Fluorene	%	98			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	89			70-130	Pass	
N-Nitrosodipropylamine	%	86			70-130	Pass	
Naphthalene	%	95			70-130	Pass	
Pentachlorophenol	%	87			25-140	Pass	
Phenanthrene	%	92			70-130	Pass	
Phenol	%	94			25-140	Pass	
Pyrene	%	92			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	122			70-130	Pass	
TRH >C10-C16	%	111			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	97			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	96			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	93			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	94			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	99			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	98			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	99			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	95			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	102			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	96			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	95			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	91			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	87			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	96			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	89			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	89			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	83			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	90			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	96			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	91			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	84			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	86			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	94			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	83			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	84			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	79			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	90			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	134			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	115			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	84			50-150	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	84			70-130	Pass	
TRH >C10-C16	%	86			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	122			70-130	Pass	
TRH >C10-C16	%	122			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	118			70-130	Pass	
Toluene	%	110			70-130	Pass	
Ethylbenzene	%	104			70-130	Pass	
m&p-Xylenes	%	106			70-130	Pass	
o-Xylene	%	112			70-130	Pass	
Xylenes - Total*	%	108			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	91			70-130	Pass	
1.1.1-Trichloroethane	%	99			70-130	Pass	
1.2-Dichlorobenzene	%	110			70-130	Pass	
1.2-Dichloroethane	%	99			70-130	Pass	
Trichloroethene	%	96			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	109			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	85			70-130	Pass	
TRH >C10-C16	%	86			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Phosphorus	%	107			80-120	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	103			80-120	Pass	
Cadmium	%	102			80-120	Pass	
Chromium	%	102			80-120	Pass	
Copper	%	99			80-120	Pass	
Lead	%	96			80-120	Pass	
Mercury	%	100			80-120	Pass	
Nickel	%	102			80-120	Pass	
Zinc	%	100			80-120	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	107			70-130	Pass	
4.4'-DDD	%	103			70-130	Pass	
4.4'-DDE	%	110			70-130	Pass	
4.4'-DDT	%	111			70-130	Pass	
a-HCH	%	102			70-130	Pass	
Aldrin	%	100			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
b-HCH	%	109			70-130	Pass	
d-HCH	%	105			70-130	Pass	
Dieldrin	%	105			70-130	Pass	
Endosulfan I	%	110			70-130	Pass	
Endosulfan II	%	104			70-130	Pass	
Endosulfan sulphate	%	110			70-130	Pass	
Endrin	%	118			70-130	Pass	
Endrin ketone	%	105			70-130	Pass	
g-HCH (Lindane)	%	109			70-130	Pass	
Heptachlor	%	111			70-130	Pass	
Heptachlor epoxide	%	112			70-130	Pass	
Hexachlorobenzene	%	105			70-130	Pass	
Methoxychlor	%	115			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	115			70-130	Pass	
Dimethoate	%	103			70-130	Pass	
Ethion	%	105			70-130	Pass	
Fenitrothion	%	98			70-130	Pass	
Methyl parathion	%	123			70-130	Pass	
Mevinphos	%	102			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	98			70-130	Pass	
Aroclor-1260	%	122			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	90			25-140	Pass	
1.2.4-Trichlorobenzene	%	95			70-130	Pass	
1.4-Dichlorobenzene	%	97			70-130	Pass	
2-Chlorophenol	%	89			25-140	Pass	
2-Methylphenol (o-Cresol)	%	85			25-140	Pass	
2-Nitrophenol	%	92			25-140	Pass	
2.4-Dichlorophenol	%	93			25-140	Pass	
2.4-Dimethylphenol	%	93			25-140	Pass	
2.4-Dinitrophenol	%	109			25-140	Pass	
2.4-Dinitrotoluene	%	99			70-130	Pass	
2.4.5-Trichlorophenol	%	85			25-140	Pass	
2.4.6-Trichlorophenol	%	105			25-140	Pass	
2.6-Dichlorophenol	%	94			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	81			25-140	Pass	
4-Chloro-3-methylphenol	%	90			25-140	Pass	
4-Nitrophenol	%	87			25-140	Pass	
Acenaphthene	%	98			70-130	Pass	
Acenaphthylene	%	94			70-130	Pass	
Anthracene	%	96			70-130	Pass	
Benz(a)anthracene	%	94			70-130	Pass	
Benzo(a)pyrene	%	99			70-130	Pass	
Benzo(b&j)fluoranthene	%	88			70-130	Pass	
Benzo(g.h.i)perylene	%	113			70-130	Pass	
Benzo(k)fluoranthene	%	100			70-130	Pass	
Chrysene	%	100			70-130	Pass	
Dibenz(a.h)anthracene	%	116			70-130	Pass	
Fluoranthene	%	99			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluorene	%	94			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	111			70-130	Pass	
N-Nitrosodipropylamine	%	85			70-130	Pass	
Naphthalene	%	96			70-130	Pass	
Pentachlorophenol	%	92			25-140	Pass	
Phenanthrene	%	97			70-130	Pass	
Phenol	%	86			25-140	Pass	
Pyrene	%	98			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	74			70-130	Pass	
TRH C6-C10	%	89			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	114			70-130	Pass	
Toluene	%	107			70-130	Pass	
Ethylbenzene	%	95			70-130	Pass	
m&p-Xylenes	%	107			70-130	Pass	
o-Xylene	%	106			70-130	Pass	
Xylenes - Total*	%	107			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	85			70-130	Pass	
TRH C6-C10	%	87			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	91			70-130	Pass	
Toluene	%	92			70-130	Pass	
Ethylbenzene	%	92			70-130	Pass	
m&p-Xylenes	%	95			70-130	Pass	
o-Xylene	%	95			70-130	Pass	
Xylenes - Total*	%	95			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	98			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	99			80-120	Pass	
Cadmium	%	100			80-120	Pass	
Chromium	%	98			80-120	Pass	
Copper	%	97			80-120	Pass	
Iron	%	113			80-120	Pass	
Lead	%	97			80-120	Pass	
Mercury	%	104			80-120	Pass	
Nickel	%	98			80-120	Pass	
Zinc	%	100			80-120	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	R24-Oc0079020	NCP	%	91			70-130	Pass	
TRH C10-C14	R24-Oc0079050	NCP	%	114			70-130	Pass	
TRH C6-C10	R24-Oc0079020	NCP	%	83			70-130	Pass	
TRH >C10-C16	R24-Oc0079050	NCP	%	108			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
BTEX				Result 1					
Benzene	R24-Oc0079020	NCP	%	103			70-130	Pass	
Toluene	R24-Oc0079020	NCP	%	97			70-130	Pass	
Ethylbenzene	R24-Oc0079020	NCP	%	98			70-130	Pass	
m&p-Xylenes	R24-Oc0079020	NCP	%	99			70-130	Pass	
o-Xylene	R24-Oc0079020	NCP	%	97			70-130	Pass	
Xylenes - Total*	R24-Oc0079020	NCP	%	98			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	R24-Oc0079020	NCP	%	81			70-130	Pass	
Spike - % Recovery									
Semivolatile Organics				Result 1					
2-Methyl-4.6-dinitrophenol	S24-No0001261	NCP	%	90			30-130	Pass	
1.2.4-Trichlorobenzene	S24-Oc0074289	NCP	%	114			70-130	Pass	
1.4-Dichlorobenzene	S24-Oc0074289	NCP	%	101			70-130	Pass	
2-Chlorophenol	S24-Oc0077629	NCP	%	78			30-130	Pass	
2-Methylphenol (o-Cresol)	S24-Oc0077629	NCP	%	78			30-130	Pass	
2-Nitrophenol	S24-No0001261	NCP	%	95			30-130	Pass	
2.4-Dichlorophenol	S24-No0001261	NCP	%	80			30-130	Pass	
2.4-Dimethylphenol	S24-Oc0077629	NCP	%	77			30-130	Pass	
2.4-Dinitrophenol	S24-No0001261	NCP	%	99			70-130	Pass	
2.4-Dinitrotoluene	S24-Oc0074289	NCP	%	87			70-130	Pass	
2.4.5-Trichlorophenol	S24-No0001261	NCP	%	81			30-130	Pass	
2.4.6-Trichlorophenol	S24-No0001261	NCP	%	100			30-130	Pass	
2.6-Dichlorophenol	S24-No0001261	NCP	%	93			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	S24-Oc0077629	NCP	%	72			30-130	Pass	
4-Chloro-3-methylphenol	S24-No0001261	NCP	%	82			30-130	Pass	
4-Nitrophenol	S24-No0001261	NCP	%	106			30-130	Pass	
Acenaphthene	S24-Oc0077629	NCP	%	82			70-130	Pass	
Acenaphthylene	S24-Oc0077629	NCP	%	73			70-130	Pass	
Anthracene	S24-Oc0077629	NCP	%	82			70-130	Pass	
Benz(a)anthracene	S24-No0001261	NCP	%	75			70-130	Pass	
Benzo(a)pyrene	S24-No0001261	NCP	%	86			70-130	Pass	
Benzo(b&j)fluoranthene	S24-No0001261	NCP	%	81			70-130	Pass	
Benzo(g.h.i)perylene	S24-No0001261	NCP	%	86			70-130	Pass	
Benzo(k)fluoranthene	S24-No0001261	NCP	%	95			70-130	Pass	
Chrysene	S24-Oc0077629	NCP	%	74			70-130	Pass	
Dibenz(a.h)anthracene	S24-No0001261	NCP	%	81			70-130	Pass	
Fluoranthene	S24-No0001261	NCP	%	91			70-130	Pass	
Fluorene	S24-Oc0077629	NCP	%	82			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S24-No0001261	NCP	%	79			70-130	Pass	
N-Nitrosodipropylamine	S24-Oc0074289	NCP	%	107			70-130	Pass	
Naphthalene	S24-Oc0077629	NCP	%	85			70-130	Pass	
Pentachlorophenol	S24-No0001261	NCP	%	74			30-130	Pass	
Phenanthrene	S24-No0001261	NCP	%	87			70-130	Pass	
Phenol	S24-Oc0077629	NCP	%	99			30-130	Pass	
Pyrene	S24-No0001261	NCP	%	89			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Phosphorus	S24-Oc0075653	NCP	%	92			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Oc0070253	CP	%	101			75-125	Pass	
Cadmium	S24-Oc0070253	CP	%	90			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chromium	S24-Oc0070253	CP	%	115			75-125	Pass	
Copper	S24-Oc0070253	CP	%	83			75-125	Pass	
Lead	S24-Oc0070253	CP	%	80			75-125	Pass	
Mercury	S24-Oc0070253	CP	%	95			75-125	Pass	
Spike - % Recovery									
				Result 1					
Total Kjeldahl Nitrogen (as N)	S24-Oc0070257	CP	%	117			70-130	Pass	
Spike - % Recovery									
				Result 1					
Ammonia (as N)	S24-Oc0070259	CP	%	106			70-130	Pass	
Spike - % Recovery									
				Result 1					
Ammonia (as N)	S24-Oc0070265	CP	%	99			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Oc0070265	CP	%	104			75-125	Pass	
Cadmium	S24-Oc0070265	CP	%	96			75-125	Pass	
Chromium	S24-Oc0070265	CP	%	113			75-125	Pass	
Copper	S24-Oc0070265	CP	%	95			75-125	Pass	
Lead	S24-Oc0070265	CP	%	92			75-125	Pass	
Mercury	S24-Oc0070265	CP	%	104			75-125	Pass	
Nickel	S24-Oc0070265	CP	%	104			75-125	Pass	
Zinc	S24-Oc0070265	CP	%	109			75-125	Pass	
Spike - % Recovery									
				Result 1					
Phosphorus reactive (as P)	S24-Oc0070271	CP	%	99			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Oc0070278	CP	%	95			75-125	Pass	
Cadmium	S24-Oc0070278	CP	%	91			75-125	Pass	
Lead	S24-Oc0070278	CP	%	82			75-125	Pass	
Mercury	S24-Oc0070278	CP	%	92			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Oc0070304	CP	%	108			70-130	Pass	
4.4'-DDD	S24-Oc0070304	CP	%	92			70-130	Pass	
4.4'-DDE	S24-Oc0070304	CP	%	104			70-130	Pass	
4.4'-DDT	S24-Oc0070304	CP	%	90			70-130	Pass	
a-HCH	S24-Oc0070304	CP	%	100			70-130	Pass	
Aldrin	S24-Oc0070304	CP	%	100			70-130	Pass	
b-HCH	S24-Oc0070304	CP	%	92			70-130	Pass	
d-HCH	S24-Oc0070304	CP	%	89			70-130	Pass	
Dieldrin	S24-Oc0070304	CP	%	107			70-130	Pass	
Endosulfan I	S24-Oc0070304	CP	%	93			70-130	Pass	
Endosulfan II	S24-Oc0070304	CP	%	118			70-130	Pass	
Endosulfan sulphate	S24-Oc0070304	CP	%	100			70-130	Pass	
Endrin	S24-Oc0070304	CP	%	99			70-130	Pass	
Endrin aldehyde	S24-Oc0070304	CP	%	124			70-130	Pass	
Endrin ketone	S24-Oc0070304	CP	%	114			70-130	Pass	
g-HCH (Lindane)	S24-Oc0070304	CP	%	105			70-130	Pass	
Heptachlor	S24-Oc0070304	CP	%	95			70-130	Pass	
Heptachlor epoxide	S24-Oc0070304	CP	%	72			70-130	Pass	
Hexachlorobenzene	S24-Oc0070304	CP	%	99			70-130	Pass	
Methoxychlor	S24-Oc0070304	CP	%	106			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Oc0070304	CP	%	94			70-130	Pass	
Aroclor-1260	S24-Oc0070304	CP	%	106			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S24-Oc0070307	CP	%	102			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Oc0070307	CP	%	94			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Oc0070307	CP	%	103			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Oc0070307	CP	%	103			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S24-Oc0070307	CP	%	96			50-150	Pass	
Perfluorononanoic acid (PFNA)	S24-Oc0070307	CP	%	92			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S24-Oc0070307	CP	%	106			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Oc0070307	CP	%	99			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Oc0070307	CP	%	104			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Oc0070307	CP	%	107			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Oc0070307	CP	%	98			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S24-Oc0070307	CP	%	86			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Oc0070307	CP	%	93			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Oc0070307	CP	%	105			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Oc0070307	CP	%	103			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Oc0070307	CP	%	96			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Oc0070307	CP	%	98			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Oc0070307	CP	%	92			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S24-Oc0070307	CP	%	96			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Oc0070307	CP	%	106			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Oc0070307	CP	%	83			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Oc0070307	CP	%	84			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Oc0070307	CP	%	105			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Oc0070307	CP	%	94			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Oc0070307	CP	%	94			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Oc0070307	CP	%	99			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Oc0070307	CP	%	97			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Oc0070307	CP	%	89			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Oc0070307	CP	%	100			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Oc0070307	CP	%	95			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Oc0070311	CP	%	117			75-125	Pass	
Cadmium	S24-Oc0070311	CP	%	103			75-125	Pass	
Lead	S24-Oc0070311	CP	%	104			75-125	Pass	
Mercury	S24-Oc0070311	CP	%	94			75-125	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S24-Oc0070315	CP	%	84			70-130	Pass	
Dimethoate	S24-Oc0070315	CP	%	77			70-130	Pass	
Methyl parathion	S24-Oc0070315	CP	%	89			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S24-Oc0070324	CP	%	112			70-130	Pass	
Dimethoate	S24-Oc0070324	CP	%	99			70-130	Pass	
Ethion	S24-Oc0070324	CP	%	105			70-130	Pass	
Fenitrothion	S24-Oc0070324	CP	%	104			70-130	Pass	
Methyl parathion	S24-Oc0070324	CP	%	99			70-130	Pass	
Mevinphos	S24-Oc0070324	CP	%	108			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Oc0070341	CP	%	106			70-130	Pass	
4.4'-DDD	S24-Oc0070341	CP	%	101			70-130	Pass	
4.4'-DDE	S24-Oc0070341	CP	%	103			70-130	Pass	
4.4'-DDT	S24-Oc0070341	CP	%	92			70-130	Pass	
a-HCH	S24-Oc0070341	CP	%	102			70-130	Pass	
Aldrin	S24-Oc0070341	CP	%	108			70-130	Pass	
b-HCH	S24-Oc0070341	CP	%	95			70-130	Pass	
d-HCH	S24-Oc0070341	CP	%	95			70-130	Pass	
Dieldrin	S24-Oc0070341	CP	%	104			70-130	Pass	
Endosulfan I	S24-Oc0070341	CP	%	109			70-130	Pass	
Endosulfan II	S24-Oc0070341	CP	%	102			70-130	Pass	
Endosulfan sulphate	S24-Oc0070341	CP	%	94			70-130	Pass	
Endrin	S24-Oc0070341	CP	%	111			70-130	Pass	
Endrin aldehyde	S24-Oc0070341	CP	%	96			70-130	Pass	
Endrin ketone	S24-Oc0070341	CP	%	95			70-130	Pass	
g-HCH (Lindane)	S24-Oc0070341	CP	%	101			70-130	Pass	
Heptachlor	S24-Oc0070341	CP	%	101			70-130	Pass	
Heptachlor epoxide	S24-Oc0070341	CP	%	97			70-130	Pass	
Hexachlorobenzene	S24-Oc0070341	CP	%	105			70-130	Pass	
Methoxychlor	S24-Oc0070341	CP	%	88			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Oc0070341	CP	%	95			70-130	Pass	
Aroclor-1260	S24-Oc0070341	CP	%	108			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Semivolatile Organics				Result 1					
Endrin aldehyde	S24-Oc0070341	CP	%	96			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.1-Dichloroethene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.2-Dibromoethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.2-Dichloroethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.2-Dichloropropane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.3-Dichloropropane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
2-Butanone (MEK)	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
2-Propanone (Acetone)	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
4-Chlorotoluene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Allyl chloride	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Bromobenzene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Bromochloromethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Bromodichloromethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Bromoform	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Bromomethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Carbon disulfide	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Carbon Tetrachloride	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Chlorobenzene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Chloroethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Chloroform	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Chloromethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Dibromochloromethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Dibromomethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Dichlorodifluoromethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Iodomethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Methylene Chloride	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Styrene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Tetrachloroethene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Trichloroethene	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Trichlorofluoromethane	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	
Vinyl chloride	S24-Oc0080968	NCP	mg/kg	**	**	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
Phosphorus reactive (as P)	S24-Oc0070252	CP	mg/kg	190	200	2.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S24-Oc0070255	CP	mg/kg	5500	4300	26	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0070255	CP	mg/kg	3.5	2.7	25	30%	Pass	
Cadmium	S24-Oc0070255	CP	mg/kg	1.1	0.8	23	30%	Pass	
Chromium	S24-Oc0070255	CP	mg/kg	16	13	26	30%	Pass	
Copper	S24-Oc0070255	CP	mg/kg	83	64	26	30%	Pass	
Lead	S24-Oc0070255	CP	mg/kg	11	8.8	23	30%	Pass	
Mercury	S24-Oc0070255	CP	mg/kg	0.2	0.1	28	30%	Pass	
Nickel	S24-Oc0070255	CP	mg/kg	16	12	25	30%	Pass	
Zinc	S24-Oc0070255	CP	mg/kg	180	140	24	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Nitrate & Nitrite (as N)	M24-Oc0077684	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Nitrite (as N)	M24-Oc0077684	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus reactive (as P)	S24-Oc0070265	CP	mg/kg	0.4	2.1	3.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S24-Oc0070268	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Oc0070268	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Oc0070268	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S24-Oc0070268	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Oc0070268	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Oc0070268	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Oc0070268	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Oc0070268	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Oc0070268	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Oc0070268	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	S24-Oc0070271	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Phosphorus reactive (as P)	S24-Oc0070271	CP	mg/kg	0.8	0.8	4.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S24-Oc0070271	CP	mg/kg	300	370	21	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0070271	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Cadmium	S24-Oc0070271	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Oc0070271	CP	mg/kg	8.9	8.6	3.0	30%	Pass	
Copper	S24-Oc0070271	CP	mg/kg	8.5	11	24	30%	Pass	
Lead	S24-Oc0070271	CP	mg/kg	5.3	5.0	6.0	30%	Pass	
Mercury	S24-Oc0070271	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Oc0070271	CP	mg/kg	15	16	4.0	30%	Pass	
Zinc	S24-Oc0070271	CP	mg/kg	73	100	32	30%	Fail	Q15

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S24-Oc0070276	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Oc0070276	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Oc0070276	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S24-Oc0070276	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Oc0070276	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Oc0070276	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Oc0070276	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Oc0070276	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Monocrotophos	S24-Oc0070276	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Oc0070276	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S24-Oc0070276	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S24-Oc0070276	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S24-Oc0070276	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S24-Oc0070276	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
3.3'-Dichlorobenzidine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Nitrophenol	S24-Oc0070276	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S24-Oc0070276	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
N-Nitrosodipropylamine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S24-Oc0070276	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenanthrene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenol	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S24-Oc0070276	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S24-Oc0070276	CP	mg/kg	2300	2300	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0070276	CP	mg/kg	8.3	8.0	3.0	30%	Pass	
Cadmium	S24-Oc0070276	CP	mg/kg	0.6	0.7	14	30%	Pass	
Chromium	S24-Oc0070276	CP	mg/kg	24	25	3.0	30%	Pass	
Copper	S24-Oc0070276	CP	mg/kg	8.8	7.5	16	30%	Pass	
Lead	S24-Oc0070276	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Mercury	S24-Oc0070276	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Oc0070276	CP	mg/kg	50	48	5.0	30%	Pass	
Zinc	S24-Oc0070276	CP	mg/kg	36	40	9.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S24-Oc0070288	CP	mg/kg	760	840	11	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0070288	CP	mg/kg	5.4	5.7	6.0	30%	Pass	
Cadmium	S24-Oc0070288	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Oc0070288	CP	mg/kg	15	17	12	30%	Pass	
Copper	S24-Oc0070288	CP	mg/kg	18	20	10	30%	Pass	
Lead	S24-Oc0070288	CP	mg/kg	15	17	14	30%	Pass	
Mercury	S24-Oc0070288	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Oc0070288	CP	mg/kg	14	16	10	30%	Pass	
Zinc	S24-Oc0070288	CP	mg/kg	150	170	11	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S24-Oc0070292	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Oc0070292	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Oc0070292	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S24-Oc0070292	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Oc0070292	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Oc0070292	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Oc0070292	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Oc0070292	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Oc0070292	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Oc0070292	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Tetrachlorvinphos	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Oc0070292	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S24-Oc0070292	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S24-Oc0070292	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S24-Oc0070292	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S24-Oc0070292	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Nitrophenol	S24-Oc0070292	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
a-HCH	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S24-Oc0070292	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S24-Oc0070292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenanthrene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Phenol	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S24-Oc0070292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Oc0070293	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Oc0070293	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Oc0070293	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Oc0070293	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S24-Oc0070297	CP	mg/kg	1200	1100	8.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0070297	CP	mg/kg	6.3	7.6	19	30%	Pass	
Cadmium	S24-Oc0070297	CP	mg/kg	0.8	0.5	51	30%	Fail	Q15
Chromium	S24-Oc0070297	CP	mg/kg	34	39	14	30%	Pass	
Copper	S24-Oc0070297	CP	mg/kg	29	34	14	30%	Pass	
Lead	S24-Oc0070297	CP	mg/kg	18	17	6.0	30%	Pass	
Mercury	S24-Oc0070297	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Oc0070297	CP	mg/kg	59	65	11	30%	Pass	
Zinc	S24-Oc0070297	CP	mg/kg	380	350	9.0	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Oc0070300	CP	%	5.9	5.7	4.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Oc0070305	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Oc0070305	CP	ug/kg	< 10	< 10	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Oc0070305	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Oc0070305	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Oc0070307	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Chlorpyrifos-methyl	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Oc0070307	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Oc0070307	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Oc0070307	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Oc0070307	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S24-Oc0070307	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Chloronaphthalene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S24-Oc0070307	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S24-Oc0070307	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S24-Oc0070307	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Nitrophenol	S24-Oc0070307	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S24-Oc0070307	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Diphenylamine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S24-Oc0070307	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenanthrene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenol	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S24-Oc0070307	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S24-Oc0070311	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Oc0070311	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Oc0070311	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S24-Oc0070311	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Oc0070311	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Oc0070311	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
d-HCH	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Oc0070311	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Oc0070311	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Oc0070311	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Oc0070311	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Oc0070311	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S24-Oc0070311	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S24-Oc0070311	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S24-Oc0070311	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S24-Oc0070311	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Nitrophenol	S24-Oc0070311	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Aniline	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S24-Oc0070311	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S24-Oc0070311	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenanthrene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenol	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S24-Oc0070311	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Oc0070311	CP	%	7.6	9.6	24	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Total Kjeldahl Nitrogen (as N)	S24-Oc0070317	CP	mg/kg	830	950	14	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Oc0070325	CP	%	17	21	18	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S24-Oc0070328	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Oc0070328	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Oc0070328	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S24-Oc0070328	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Oc0070328	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Oc0070328	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Oc0070328	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Oc0070328	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Diazinon	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Oc0070328	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Oc0070328	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S24-Oc0070328	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S24-Oc0070328	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Naphthylamine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S24-Oc0070328	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S24-Oc0070328	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Nitrophenol	S24-Oc0070328	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S24-Oc0070328	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Endrin	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S24-Oc0070328	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenanthrene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenol	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S24-Oc0070328	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S24-Oc0070328	CP	mg/kg	2100	2300	5.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0070328	CP	mg/kg	15	19	24	30%	Pass	
Cadmium	S24-Oc0070328	CP	mg/kg	0.9	0.8	7.0	30%	Pass	
Chromium	S24-Oc0070328	CP	mg/kg	48	130	92	30%	Fail	Q15
Copper	S24-Oc0070328	CP	mg/kg	53	67	24	30%	Pass	
Lead	S24-Oc0070328	CP	mg/kg	41	36	13	30%	Pass	
Mercury	S24-Oc0070328	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Oc0070328	CP	mg/kg	68	70	3.0	30%	Pass	
Zinc	S24-Oc0070328	CP	mg/kg	320	330	4.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Oc0070339	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S24-Oc0070339	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Oc0070339	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Oc0070339	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	S24-Oc0070339	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S24-Oc0070339	CP	mg/kg	< 50	< 50	<1	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH >C16-C34	S24-Oc0070339	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Oc0070339	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S24-Oc0070339	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S24-Oc0070339	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S24-Oc0070339	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S24-Oc0070339	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S24-Oc0070339	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S24-Oc0070339	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Acenaphthene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Oc0070339	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0070339	CP	mg/kg	2.3	4.3	59	30%	Fail	Q15
Cadmium	S24-Oc0070339	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Oc0070339	CP	mg/kg	9.0	15	53	30%	Fail	Q15
Copper	S24-Oc0070339	CP	mg/kg	7.7	13	54	30%	Fail	Q15
Lead	S24-Oc0070339	CP	mg/kg	< 5	5.2	46	30%	Fail	Q15
Mercury	S24-Oc0070339	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Oc0070339	CP	mg/kg	17	30	52	30%	Fail	Q15
Zinc	S24-Oc0070339	CP	mg/kg	24	41	53	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S24-Oc0074353	CP	uS/cm	60	64	6.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Iron	S24-Oc0080968	NCP	mg/kg	33000	42000	25	30%	Pass	

Comments

Analysis of E.Coli and Total Coliforms has been completed by Eurofins Food Testing Australia Pty Ltd, NATA Accreditation Number 20293, report reference AR-24-NV-020638-01.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	18.5°C
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
G01	The LORs have been raised due to matrix interference
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:

Adam Bateup	Analytical Services Manager
Caitlin Breeze	Senior Analyst-Inorganic
Jonathon Angell	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-PFAS
Roopesh Rangarajan	Senior Analyst-Sample Properties
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic
Sayeed Abu	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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Certificate of Analysis

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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:	STEVEN DRYSDALE
Report	1153612-AID
Project Name	LORD HOWE ISLAND
Project ID	30013573A
Received Date	Oct 25, 2024
Date Reported	Nov 12, 2024

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004 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.*
Man-made vitreous fibre (MMVF)	Fibres 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). Simple analytical procedures such as polarised light microscopy cannot detect or reliably identify asbestos in some types of commercial products containing asbestos, either because the fibres are below the resolution of optical microscopy or because the matrix material adheres too strongly to the fibres. For these types of products, electron microscopy may be necessary.
Subsampling Soil Samples	The sample submitted is dried and passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm and greater than 2 mm and the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 g to 60 g, then a subsampling routine based on ISO 3082:2017(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be subsampled for trace analysis, in accordance with AS 5370:2024*.*
Bonded asbestos-containing material (ACM)	The material is first examined, and any fibres are 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 5370:2024*. *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 5370:2024* 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, per se. Examination of 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 5370:2024*, and hence, NATA Accreditation does not cover the performance of this service (non-NATA results are 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 LORD HOWE ISLAND
Project ID 30013573A
Date Sampled Oct 22, 2024 to Oct 24, 2024
Report 1153612-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP24/1.5	24-Oc0070253	Oct 22, 2024	Approximate Sample 429g / >500ml Sample consisted of: Brown coarse-grained sandy soil, glass, cement, brick, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP17/0.5	24-Oc0070257	Oct 22, 2024	Approximate Sample 449g / >500ml Sample consisted of: Brown coarse-grained sandy soil, plastic and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP26/0.2	24-Oc0070283	Oct 22, 2024	Approximate Sample 546g Sample consisted of: Brown coarse-grained sandy soil, glass, cement, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP27/0.7	24-Oc0070287	Oct 22, 2024	Approximate Sample 442g / >500ml Sample consisted of: Brown coarse-grained sandy soil, glass, cement, brick, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP29/0.2	24-Oc0070288	Oct 22, 2024	Approximate Sample 410g/>500ml Sample consisted of: Brown coarse-grained sandy soil, brick, corroded metal, glass, cement, debris and rocks	ACM: Chrysotile asbestos detected in fibre cement material. Approximate raw weight of ACM = 0.88g Total estimated asbestos content in ACM = 0.044g* Total estimated asbestos concentration in ACM = 0.011% w/w* Organic fibre detected. No trace asbestos detected.
TP29/1.2	24-Oc0070289	Oct 22, 2024	Approximate Sample 449g / >500ml Sample consisted of: Brown coarse-grained sandy soil, brick, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP20/1.2	24-Oc0070293	Oct 22, 2024	Approximate Sample 660g Sample consisted of: Brown coarse-grained sandy soil, glass, brick, cement, corroded metal, ceramic material, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP20/2.5	24-Oc0070294	Oct 22, 2024	Approximate Sample 575g Sample consisted of: Brown coarse-grained sandy soil, glass, brick, cement, corroded metal, ceramic material, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP19/0.1	24-Oc0070295	Oct 22, 2024	Approximate Sample 434g / >500ml Sample consisted of: Brown coarse-grained sandy soil, brick, ceramic material, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP18/0.6	24-Oc0070298	Oct 22, 2024	Approximate Sample 527g Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP09/0.1	24-Oc0070309	Oct 23, 2024	Approximate Sample 298g / >500ml Sample consisted of: Brown coarse-grained sandy soil, glass, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP09/1.5	24-Oc0070310	Oct 23, 2024	Approximate Sample 398g / >500ml Sample consisted of: Brown coarse-grained sandy soil, ceramic material, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP09/2.7	24-Oc0070311	Oct 23, 2024	Approximate Sample 377g / >500ml Sample consisted of: Brown coarse-grained sandy soil, cement, glass, fragments of fibre plaster cement , debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. Organic fibre detected. No trace asbestos detected.
TP11/1.2	24-Oc0070315	Oct 24, 2024	Approximate Sample 442g / >500ml Sample consisted of: Brown coarse-grained sandy soil, brick, glass, corroded metal , debris and rocks	ACM: Chrysotile asbestos detected in fibre cement material. Approximate raw weight of ACM = 11g Total estimated asbestos content in ACM = 0.56g* Total estimated asbestos concentration in ACM = 0.13% w/w* Synthetic mineral fibre detected. No trace asbestos detected.
TP10/1.0	24-Oc0070318	Oct 24, 2024	Approximate Sample 391g / >500ml Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP08/0.1	24-Oc0070321	Oct 24, 2024	Approximate Sample 376g / >500ml Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP08/0.6	24-Oc0070322	Oct 24, 2024	Approximate Sample 475g/>500ml Sample consisted of: Brown coarse-grained sandy soil, glass, ceramic material, organic debris, fragments of fibre plaster cement and rocks	AF: Chrysotile asbestos detected in fibre cement material. Approximate raw weight of AF = 0.23g* Estimated asbestos content in AF = 0.011g* Total estimated asbestos concentration in AF = 0.0024% w/w* Synthetic mineral fibre detected. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP06/0.5	24-Oc0070323	Oct 24, 2024	Approximate Sample 531g Sample consisted of: Brown coarse-grained sandy soil, plaster, cement, glass, fragments of fibre plaster cement and rocks	ACM: Chrysotile asbestos detected in fibre cement material. Approximate raw weight of ACM = 2.3g Total estimated asbestos content in ACM = 0.12g* Total estimated asbestos concentration in ACM = 0.022% w/w* Synthetic mineral fibre detected. Organic fibre detected. No trace asbestos detected.
TP06/1.5	24-Oc0070324	Oct 24, 2024	Approximate Sample 541g Sample consisted of: Brown coarse-grained sandy soil, glass, corroded metal, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP06/2.0	24-Oc0070325	Oct 24, 2024	Approximate Sample 495g / >500ml Sample consisted of: Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP07/0.2	24-Oc0070326	Oct 24, 2024	Approximate Sample 387g / >500ml Sample consisted of: Brown coarse-grained sandy soil, glass, cement, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP07/1.0	24-Oc0070327	Oct 24, 2024	Approximate Sample 464g / >500ml Sample consisted of: Brown coarse-grained sandy soil, cement, glass, corroded metal, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP07/1.8	24-Oc0070328	Oct 24, 2024	Approximate Sample 261g / >500ml Sample consisted of: Brown coarse-grained sandy soil, glass, cement, plaster, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Synthetic mineral fibre detected. No trace asbestos detected.
TP29/0.2_ACM	24-Oc0070329	Oct 22, 2024	Approximate Sample 50g / 90x60x5mm Sample consisted of: Grey compressed fibre cement material	Organic fibre detected. No trace asbestos detected.
TP20/1.2_ACM	24-Oc0070330	Oct 22, 2024	Approximate Sample 2g / 30x20x1mm Sample consisted of: White insulation plaster sheet material with coating	No asbestos detected. Synthetic mineral fibre detected.
TP20/2.5_ACM	24-Oc0070331	Oct 22, 2024	Approximate Sample 29g / 140x120x2mm Sample consisted of: White insulation plaster sheet material with coating	No asbestos detected. Synthetic mineral fibre detected. No trace asbestos detected.
TP09/1.5_ACM	24-Oc0070332	Oct 23, 2024	Approximate Sample 8g / 60x20x2mm Sample consisted of: Grey fibre plaster cement material	Chrysotile asbestos detected.
TP09/2.7_ACM	24-Oc0070333	Oct 23, 2024	Approximate Sample 10g / 50x40x1mm Sample consisted of: Grey fibre cement material	No asbestos detected. No trace asbestos detected.
TP11/1.2_ACM	24-Oc0070334	Oct 24, 2024	Approximate Sample 363g / 170x110x40mm Sample consisted of: Grey fibre cement material	Chrysotile and amosite asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP08/0.6_ACM	24-Oc0070335	Oct 24, 2024	Approximate Sample 14g / 70x30x2mm Sample consisted of: Dark brown fibre plaster cement material	Chrysotile asbestos detected.
TP06/1.5_ACM	24-Oc0070336	Oct 24, 2024	Approximate Sample 146g / 110X120X2mm Sample consisted of: Grey fibre cement material	Chrysotile asbestos detected.
TP06/2_ACM	24-Oc0070337	Oct 24, 2024	Approximate Sample 19g / 90x50x2mm Sample consisted of: Dark brown fibre plaster cement material	No asbestos detected. No trace asbestos detected.
TP07/1.8_ACM	24-Oc0070338	Oct 24, 2024	Approximate Sample 9g / 70x30x2mm Sample consisted of: Grey fibre plaster cement material	No asbestos 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	Sydney	Oct 30, 2024	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Oct 30, 2024	Indefinite

eurofins

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1153612
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254						X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780										X							
External Laboratory				X			X										

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID														
1	TP24/0.1	Oct 22, 2024		Soil	S24-Oc0070252				X			X	X	X			X		X	X	X	
2	TP24/1.5	Oct 22, 2024		Soil	S24-Oc0070253	X			X			X		X							X	
3	TP25/0.5	Oct 22, 2024		Soil	S24-Oc0070254				X			X	X	X		X				X	X	
4	TP25/1.5	Oct 22, 2024		Soil	S24-Oc0070255				X			X		X							X	
5	TP17/0.1	Oct 22, 2024		Soil	S24-Oc0070256				X			X										
6	TP17/0.5	Oct 22, 2024		Soil	S24-Oc0070257	X			X			X	X	X			X		X	X	X	
7	TP16/0.1	Oct 23, 2024		Soil	S24-Oc0070258				X			X	X	X			X		X	X	X	
8	TP16/0.5	Oct 23, 2024		Soil	S24-Oc0070259				X			X		X							X	
9	TP22/1.0	Oct 23, 2024		Soil	S24-Oc0070260				X			X	X	X		X				X	X	
10	TP23/0.3	Oct 23, 2024		Soil	S24-Oc0070261				X			X	X	X		X				X	X	
11	TP15/0.1	Oct 23, 2024		Soil	S24-Oc0070262				X			X										
12	TP15/0.5	Oct 23, 2024		Soil	S24-Oc0070263				X			X	X	X			X		X	X	X	

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Sydney
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Site# 20794 & 2780

Newcastle
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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1153612
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
13	TP01/0.1	Oct 24, 2024		Soil	S24-Oc0070264				X			X		X							X	
14	TP01/0.5	Oct 24, 2024		Soil	S24-Oc0070265				X			X	X	X			X		X	X	X	
15	TP02/0.1	Oct 24, 2024		Soil	S24-Oc0070266				X			X	X	X			X		X	X	X	
16	TP02/1.0	Oct 24, 2024		Soil	S24-Oc0070267				X			X										
17	TP03/0.1	Oct 24, 2024		Soil	S24-Oc0070268				X			X	X	X		X				X	X	
18	TP03/0.5	Oct 24, 2024		Soil	S24-Oc0070269				X			X										
19	TP04/0.1	Oct 24, 2024		Soil	S24-Oc0070270				X			X		X							X	
20	TP04/0.5	Oct 24, 2024		Soil	S24-Oc0070271				X			X	X	X			X		X	X	X	
21	TP05/0.1	Oct 24, 2024		Soil	S24-Oc0070272				X			X	X	X			X		X	X	X	
22	TP05/0.5	Oct 24, 2024		Soil	S24-Oc0070273				X			X										
23	TP12/0.5	Oct 24, 2024		Soil	S24-Oc0070274				X			X	X			X				X	X	
24	TP12/1.0	Oct 24, 2024		Soil	S24-Oc0070275				X			X										
25	TP13/0.1	Oct 24, 2024		Soil	S24-Oc0070276				X			X	X	X		X				X	X	
26	TP13/0.5	Oct 24, 2024		Soil	S24-Oc0070277				X			X										
27	TP14/0.1	Oct 24, 2024		Soil	S24-Oc0070278				X			X	X	X			X		X	X	X	

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Project ID: 30013573A

Order No.:
Report #: 1153612
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X				X							X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X								
28	TP14/0.5	Oct 24, 2024		Soil	S24-Oc0070279				X			X											
29	TP24/2.0	Oct 22, 2024		Soil	S24-Oc0070280								X	X			X		X	X			
30	TP24/2.5	Oct 22, 2024		Soil	S24-Oc0070281					X													
31	TP25/2.5	Oct 22, 2024		Soil	S24-Oc0070282								X	X		X				X			
32	TP26/0.2	Oct 22, 2024		Soil	S24-Oc0070283	X							X	X			X		X	X			
33	TP26/1.0	Oct 22, 2024		Soil	S24-Oc0070284					X													
34	TP26/1.8	Oct 22, 2024		Soil	S24-Oc0070285					X													
35	TP27/0.1	Oct 22, 2024		Soil	S24-Oc0070286								X	X			X		X	X	X		
36	TP27/0.7	Oct 22, 2024		Soil	S24-Oc0070287	X								X									
37	TP29/0.2	Oct 22, 2024		Soil	S24-Oc0070288	X							X	X			X		X	X	X		
38	TP29/1.2	Oct 22, 2024		Soil	S24-Oc0070289	X								X									
39	TP29/2.2	Oct 22, 2024		Soil	S24-Oc0070290						X												
40	TP30/0.1	Oct 22, 2024		Soil	S24-Oc0070291					X													
41	TP30/1.0	Oct 22, 2024		Soil	S24-Oc0070292								X	X			X		X	X	X		
42	TP20/1.2	Oct 22, 2024		Soil	S24-Oc0070293	X							X	X			X		X	X			

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Company Name: SMEC Australia Pty Ltd (SYD)
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Project Name: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1153612
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
43	TP20/2.5	Oct 22, 2024		Soil	S24-Oc0070294	X								X								
44	TP19/0.1	Oct 22, 2024		Soil	S24-Oc0070295	X							X	X		X				X		
45	TP19/1.0	Oct 22, 2024		Soil	S24-Oc0070296								X	X			X		X	X		
46	TP18/0.1	Oct 22, 2024		Soil	S24-Oc0070297								X	X			X		X	X	X	
47	TP18/0.6	Oct 22, 2024		Soil	S24-Oc0070298	X							X	X		X				X		
48	TP16/1.0	Oct 23, 2024		Soil	S24-Oc0070299								X	X			X		X	X	X	
49	TP21/0.1	Oct 23, 2024		Soil	S24-Oc0070300								X	X		X				X		
50	TP21/1.0	Oct 23, 2024		Soil	S24-Oc0070301					X												
51	TP22/0.1	Oct 23, 2024		Soil	S24-Oc0070302				X			X		X							X	
52	TP22/2.0	Oct 23, 2024		Soil	S24-Oc0070303				X			X	X	X		X				X	X	
53	TP23/1.0	Oct 23, 2024		Soil	S24-Oc0070304								X	X		X				X		
54	TP31/0.1	Oct 23, 2024		Soil	S24-Oc0070305									X						X		
55	TP31/0.9	Oct 23, 2024		Soil	S24-Oc0070306								X	X		X						
56	TP31/1.0	Oct 23, 2024		Soil	S24-Oc0070307								X	X			X		X	X		
57	TP15/1.0	Oct 23, 2024		Soil	S24-Oc0070308								X	X		X				X		

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
58	TP09/0.1	Oct 23, 2024		Soil	S24-Oc0070309	X							X	X			X		X	X		
59	TP09/1.5	Oct 23, 2024		Soil	S24-Oc0070310	X							X	X			X		X	X		
60	TP09/2.7	Oct 23, 2024		Soil	S24-Oc0070311	X							X	X			X		X	X		
61	TP04/1.0	Oct 24, 2024		Soil	S24-Oc0070312					X												
62	TP11/0.2	Oct 24, 2024		Soil	S24-Oc0070313				X			X		X							X	
63	TP11/0.5	Oct 24, 2024		Soil	S24-Oc0070314				X			X										
64	TP11/1.2	Oct 24, 2024		Soil	S24-Oc0070315	X							X	X			X		X	X		
65	TP13/1.0	Oct 24, 2024		Soil	S24-Oc0070316				X			X	X	X		X				X	X	
66	TP14/1.0	Oct 24, 2024		Soil	S24-Oc0070317								X	X			X		X	X	X	
67	TP10/1.0	Oct 24, 2024		Soil	S24-Oc0070318	X							X	X			X		X	X		
68	TP10/2.0	Oct 24, 2024		Soil	S24-Oc0070319					X												
69	TP10/3.0	Oct 24, 2024		Soil	S24-Oc0070320					X												
70	TP08/0.1	Oct 24, 2024		Soil	S24-Oc0070321	X							X	X			X		X	X		
71	TP08/0.6	Oct 24, 2024		Soil	S24-Oc0070322	X								X								
72	TP06/0.5	Oct 24, 2024		Soil	S24-Oc0070323	X							X	X			X		X	X		

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
73	TP06/1.5	Oct 24, 2024		Soil	S24-Oc0070324	X							X	X			X		X	X		
74	TP06/2.0	Oct 24, 2024		Soil	S24-Oc0070325	X								X								
75	TP07/0.2	Oct 24, 2024		Soil	S24-Oc0070326	X							X	X			X		X	X		
76	TP07/1.0	Oct 24, 2024		Soil	S24-Oc0070327	X								X								
77	TP07/1.8	Oct 24, 2024		Soil	S24-Oc0070328	X							X	X			X		X	X		
78	TP29/0.2_ACM	Oct 22, 2024		Building Materials	S24-Oc0070329		X															
79	TP20/1.2_ACM	Oct 22, 2024		Building Materials	S24-Oc0070330		X															
80	TP20/2.5_ACM	Oct 22, 2024		Building Materials	S24-Oc0070331		X															
81	TP09/1.5_ACM	Oct 23, 2024		Building Materials	S24-Oc0070332		X															
82	TP09/2.7_ACM	Oct 23, 2024		Building Materials	S24-Oc0070333		X															
83	TP11/1.2_ACM	Oct 24, 2024		Building Materials	S24-Oc0070334		X															

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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NSW 2060

Project Name: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1153612
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
84	TP08/0.6_ACM	Oct 24, 2024		Building Materials	S24-Oc0070335		X															
85	TP06/1.5_ACM	Oct 24, 2024		Building Materials	S24-Oc0070336		X															
86	TP06/2_ACM	Oct 24, 2024		Building Materials	S24-Oc0070337		X															
87	TP07/1.8_ACM	Oct 24, 2024		Building Materials	S24-Oc0070338		X															
88	QA1	Oct 22, 2024		Soil	S24-Oc0070339								X	X		X				X		
89	QA2	Oct 23, 2024		Soil	S24-Oc0070341								X	X		X				X		
90	TS	Oct 25, 2024		Trip Spike (solid)	S24-Oc0070343																	X
91	TB	Oct 25, 2024		Trip Blank (solid)	S24-Oc0070344													X				
92	TP35/0.5	Oct 25, 2024		Soil	S24-Oc0074344					X												
93	TP34/2.0	Oct 25, 2024		Soil	S24-Oc0074345					X												
94	TP33/1.5	Oct 25, 2024		Soil	S24-Oc0074346					X												

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
95	TP32/1.2	Oct 25, 2024		Soil	S24-Oc0074347					X												
96	TP32/1.6	Oct 25, 2024		Soil	S24-Oc0074348			X														
97	TP36/1.0	Oct 25, 2024		Soil	S24-Oc0074349					X												
98	TP37/0.5	Oct 25, 2024		Soil	S24-Oc0074350					X												
99	TP37/2.5	Oct 25, 2024		Soil	S24-Oc0074351					X												
100	QA3	Oct 25, 2024		Soil	S24-Oc0074352					X												
101	EIL	Oct 25, 2024		Soil	S24-Oc0074353									X	X							
Test Counts						23	10	1	33	17	17	33	48	61	1	17	30	1	30	47	30	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 with the colour **blue** indicates data provided by customer that may have an impact on 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/fld	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: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

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 contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of 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 prior to analysis.
DS	Dispersion Staining. 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 that was previously non-friable and in a severely degraded condition. For the purposes of 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 purposes of 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 in accordance with 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. As used for Fibre Identification and Trace 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.
Trace Analysis	An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. 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.
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

Analysis of E.Coli and Total Coliforms has been completed by Eurofins Food Testing Australia Pty Ltd, NATA Accreditation Number 20293, report reference AR-24-NV-020638-01.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	18.5°C
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:

Laxman Dias	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	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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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Melbourne Laboratory - NATA # 1261 Site # 1254						X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780										X							
External Laboratory				X			X										

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID														
1	TP24/0.1	Oct 22, 2024		Soil	S24-Oc0070252				X			X	X	X			X		X	X	X	
2	TP24/1.5	Oct 22, 2024		Soil	S24-Oc0070253	X			X			X		X							X	
3	TP25/0.5	Oct 22, 2024		Soil	S24-Oc0070254				X			X	X	X		X				X	X	
4	TP25/1.5	Oct 22, 2024		Soil	S24-Oc0070255				X			X		X							X	
5	TP17/0.1	Oct 22, 2024		Soil	S24-Oc0070256				X			X										
6	TP17/0.5	Oct 22, 2024		Soil	S24-Oc0070257	X			X			X	X	X			X		X	X	X	
7	TP16/0.1	Oct 23, 2024		Soil	S24-Oc0070258				X			X	X	X			X		X	X	X	
8	TP16/0.5	Oct 23, 2024		Soil	S24-Oc0070259				X			X		X							X	
9	TP22/1.0	Oct 23, 2024		Soil	S24-Oc0070260				X			X	X	X		X				X	X	
10	TP23/0.3	Oct 23, 2024		Soil	S24-Oc0070261				X			X	X	X		X				X	X	
11	TP15/0.1	Oct 23, 2024		Soil	S24-Oc0070262				X			X										
12	TP15/0.5	Oct 23, 2024		Soil	S24-Oc0070263				X			X	X	X			X		X	X	X	

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
13	TP01/0.1	Oct 24, 2024		Soil	S24-Oc0070264				X			X		X							X	
14	TP01/0.5	Oct 24, 2024		Soil	S24-Oc0070265				X			X	X	X			X		X	X	X	
15	TP02/0.1	Oct 24, 2024		Soil	S24-Oc0070266				X			X	X	X			X		X	X	X	
16	TP02/1.0	Oct 24, 2024		Soil	S24-Oc0070267				X			X										
17	TP03/0.1	Oct 24, 2024		Soil	S24-Oc0070268				X			X	X	X		X				X	X	
18	TP03/0.5	Oct 24, 2024		Soil	S24-Oc0070269				X			X										
19	TP04/0.1	Oct 24, 2024		Soil	S24-Oc0070270				X			X		X							X	
20	TP04/0.5	Oct 24, 2024		Soil	S24-Oc0070271				X			X	X	X			X		X	X	X	
21	TP05/0.1	Oct 24, 2024		Soil	S24-Oc0070272				X			X	X	X			X		X	X	X	
22	TP05/0.5	Oct 24, 2024		Soil	S24-Oc0070273				X			X										
23	TP12/0.5	Oct 24, 2024		Soil	S24-Oc0070274				X			X	X			X				X	X	
24	TP12/1.0	Oct 24, 2024		Soil	S24-Oc0070275				X			X										
25	TP13/0.1	Oct 24, 2024		Soil	S24-Oc0070276				X			X	X	X		X				X	X	
26	TP13/0.5	Oct 24, 2024		Soil	S24-Oc0070277				X			X										
27	TP14/0.1	Oct 24, 2024		Soil	S24-Oc0070278				X			X	X	X			X		X	X	X	

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Fax: 02 9925 5566

Received: Oct 25, 2024 6:00 PM
Due: Nov 4, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED*	E.coli (MPN)	HOLD*	HOLD*	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7	Eurofins Suite B6: BTEX/TRH/M8	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
28	TP14/0.5	Oct 24, 2024		Soil	S24-Oc0070279				X			X										
29	TP24/2.0	Oct 22, 2024		Soil	S24-Oc0070280								X	X			X		X	X		
30	TP24/2.5	Oct 22, 2024		Soil	S24-Oc0070281					X												
31	TP25/2.5	Oct 22, 2024		Soil	S24-Oc0070282								X	X		X				X		
32	TP26/0.2	Oct 22, 2024		Soil	S24-Oc0070283	X							X	X			X		X	X		
33	TP26/1.0	Oct 22, 2024		Soil	S24-Oc0070284					X												
34	TP26/1.8	Oct 22, 2024		Soil	S24-Oc0070285					X												
35	TP27/0.1	Oct 22, 2024		Soil	S24-Oc0070286								X	X			X		X	X	X	
36	TP27/0.7	Oct 22, 2024		Soil	S24-Oc0070287	X								X								
37	TP29/0.2	Oct 22, 2024		Soil	S24-Oc0070288	X							X	X			X		X	X	X	
38	TP29/1.2	Oct 22, 2024		Soil	S24-Oc0070289	X								X								
39	TP29/2.2	Oct 22, 2024		Soil	S24-Oc0070290						X											
40	TP30/0.1	Oct 22, 2024		Soil	S24-Oc0070291					X												
41	TP30/1.0	Oct 22, 2024		Soil	S24-Oc0070292								X	X			X		X	X	X	
42	TP20/1.2	Oct 22, 2024		Soil	S24-Oc0070293	X							X	X			X		X	X		

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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LORD HOWE ISLAND
Project ID: 30013573A

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Phone: 02 9925 5555
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Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
43	TP20/2.5	Oct 22, 2024		Soil	S24-Oc0070294	X								X								
44	TP19/0.1	Oct 22, 2024		Soil	S24-Oc0070295	X							X	X		X				X		
45	TP19/1.0	Oct 22, 2024		Soil	S24-Oc0070296								X	X			X		X	X		
46	TP18/0.1	Oct 22, 2024		Soil	S24-Oc0070297								X	X			X		X	X	X	
47	TP18/0.6	Oct 22, 2024		Soil	S24-Oc0070298	X							X	X		X				X		
48	TP16/1.0	Oct 23, 2024		Soil	S24-Oc0070299								X	X			X		X	X	X	
49	TP21/0.1	Oct 23, 2024		Soil	S24-Oc0070300								X	X		X				X		
50	TP21/1.0	Oct 23, 2024		Soil	S24-Oc0070301					X												
51	TP22/0.1	Oct 23, 2024		Soil	S24-Oc0070302				X			X		X							X	
52	TP22/2.0	Oct 23, 2024		Soil	S24-Oc0070303				X			X	X	X		X				X	X	
53	TP23/1.0	Oct 23, 2024		Soil	S24-Oc0070304								X	X		X				X		
54	TP31/0.1	Oct 23, 2024		Soil	S24-Oc0070305									X						X		
55	TP31/0.9	Oct 23, 2024		Soil	S24-Oc0070306								X	X		X						
56	TP31/1.0	Oct 23, 2024		Soil	S24-Oc0070307								X	X			X		X	X		
57	TP15/1.0	Oct 23, 2024		Soil	S24-Oc0070308								X	X		X				X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
58	TP09/0.1	Oct 23, 2024		Soil	S24-Oc0070309	X							X	X			X		X	X		
59	TP09/1.5	Oct 23, 2024		Soil	S24-Oc0070310	X							X	X			X		X	X		
60	TP09/2.7	Oct 23, 2024		Soil	S24-Oc0070311	X							X	X			X		X	X		
61	TP04/1.0	Oct 24, 2024		Soil	S24-Oc0070312					X												
62	TP11/0.2	Oct 24, 2024		Soil	S24-Oc0070313				X			X		X							X	
63	TP11/0.5	Oct 24, 2024		Soil	S24-Oc0070314				X			X										
64	TP11/1.2	Oct 24, 2024		Soil	S24-Oc0070315	X							X	X			X		X	X		
65	TP13/1.0	Oct 24, 2024		Soil	S24-Oc0070316				X			X	X	X		X				X	X	
66	TP14/1.0	Oct 24, 2024		Soil	S24-Oc0070317								X	X			X		X	X	X	
67	TP10/1.0	Oct 24, 2024		Soil	S24-Oc0070318	X							X	X			X		X	X		
68	TP10/2.0	Oct 24, 2024		Soil	S24-Oc0070319					X												
69	TP10/3.0	Oct 24, 2024		Soil	S24-Oc0070320					X												
70	TP08/0.1	Oct 24, 2024		Soil	S24-Oc0070321	X							X	X			X		X	X		
71	TP08/0.6	Oct 24, 2024		Soil	S24-Oc0070322	X								X								
72	TP06/0.5	Oct 24, 2024		Soil	S24-Oc0070323	X							X	X			X		X	X		

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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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	Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	1/21 Smallwood Place Murarrie QLD 4172 T: +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
73	TP06/1.5	Oct 24, 2024		Soil	S24-Oc0070324	X							X	X			X		X	X		
74	TP06/2.0	Oct 24, 2024		Soil	S24-Oc0070325	X								X								
75	TP07/0.2	Oct 24, 2024		Soil	S24-Oc0070326	X							X	X			X		X	X		
76	TP07/1.0	Oct 24, 2024		Soil	S24-Oc0070327	X								X								
77	TP07/1.8	Oct 24, 2024		Soil	S24-Oc0070328	X							X	X			X		X	X		
78	TP29/0.2_ACM	Oct 22, 2024		Building Materials	S24-Oc0070329		X															
79	TP20/1.2_ACM	Oct 22, 2024		Building Materials	S24-Oc0070330		X															
80	TP20/2.5_ACM	Oct 22, 2024		Building Materials	S24-Oc0070331		X															
81	TP09/1.5_ACM	Oct 23, 2024		Building Materials	S24-Oc0070332		X															
82	TP09/2.7_ACM	Oct 23, 2024		Building Materials	S24-Oc0070333		X															
83	TP11/1.2_ACM	Oct 24, 2024		Building Materials	S24-Oc0070334		X															

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
84	TP08/0.6_ACM	Oct 24, 2024		Building Materials	S24-Oc0070335		X															
85	TP06/1.5_ACM	Oct 24, 2024		Building Materials	S24-Oc0070336		X															
86	TP06/2_ACM	Oct 24, 2024		Building Materials	S24-Oc0070337		X															
87	TP07/1.8_ACM	Oct 24, 2024		Building Materials	S24-Oc0070338		X															
88	QA1	Oct 22, 2024		Soil	S24-Oc0070339								X	X		X				X		
89	QA2	Oct 23, 2024		Soil	S24-Oc0070341								X	X		X				X		
90	TS	Oct 25, 2024		Trip Spike (solid)	S24-Oc0070343																	X
91	TB	Oct 25, 2024		Trip Blank (solid)	S24-Oc0070344													X				
92	TP35/0.5	Oct 25, 2024		Soil	S24-Oc0074344					X												
93	TP34/2.0	Oct 25, 2024		Soil	S24-Oc0074345					X												
94	TP33/1.5	Oct 25, 2024		Soil	S24-Oc0074346					X												

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Melbourne Laboratory - NATA # 1261 Site # 1254											X				X						X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780															X							
95	TP32/1.2	Oct 25, 2024		Soil	S24-Oc0074347					X												
96	TP32/1.6	Oct 25, 2024		Soil	S24-Oc0074348			X														
97	TP36/1.0	Oct 25, 2024		Soil	S24-Oc0074349					X												
98	TP37/0.5	Oct 25, 2024		Soil	S24-Oc0074350					X												
99	TP37/2.5	Oct 25, 2024		Soil	S24-Oc0074351					X												
100	QA3	Oct 25, 2024		Soil	S24-Oc0074352					X												
101	EIL	Oct 25, 2024		Soil	S24-Oc0074353									X	X							
Test Counts						23	10	1	33	17	17	33	48	61	1	17	30	1	30	47	30	1

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NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: STEVEN DRYSDALE
Project name: LORD HOWE ISLAND
Project ID: 30013573A
Turnaround time: 5 Day
Date/Time received Oct 25, 2024 6:00 PM
Eurofins reference 1153612

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 18.5 degrees Celsius.
✓	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

QA1A, QA2A and QA3A forwarded to SGS. Missing sample: TP32/1.6.
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:

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to STEVEN DRYSDALE - STEVEN.DRYSDALE@SMEC.COM.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

Outlook

FW: Eurofins Sample Receipt Advice - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

From Elvis DSOUZA <elvis.dsouza@smec.com>
Date Mon 28/10/2024 5:56 PM
To #AU04_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>; EnviroSampleWoll@eurofins.com <EnviroSampleWoll@eurofins.com>; Gregory De Battista <Gregory.DeBattista@eurofinsanz.com>; Adam Bateup <Adam.Bateup@eurofinsanz.com>; Roopesh Rangarajan <Roopesh.Rangarajan@eurofinsanz.com>
Cc Steven DRYSDALE <Steven.Drysdale@smec.com>

1 attachments (78 KB)
Eurofins Chain of Custody_30013573A_REV1.xlsx;

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 Adam & Roopesh,

Find attached updated CoC for batch 1153612. Samples received on 26/10/24 are also included in this CoC.
Please note the following:

- Please report moisture content for all samples with ASBWA analysis.
- Ensure samples with micro and nutrient analysis are analysed within holding times where possible.
- EIL sample along with sieve dropped off to Eurofins Unanderra
- Where analysis for B7 and SVV have been requested, please run for B6 and SVV (PAH is part of SVOC)
- Please reissue SRA once updated.

Let me know if any issues.

Cheers,
Elvis Dsouza
Senior Environmental Scientist - Environment
T +61 2 9925 5501 E Elvis.Dsouza@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

From: EnviroSampleNSW@eurofins.com <EnviroSampleNSW@eurofins.com>
Sent: Monday, 28 October 2024 12:57 PM
To: Steven DRYSDALE <STEVEN.DRYSDALE@SMEC.COM>
Cc: Elvis DSOUZA <elvis.dsouza@smec.com>
Subject: Eurofins Sample Receipt Advice - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

Dear Valued Client,

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins | Environment Testing Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Arany Manoj

Sample Receipt

Eurofins | Environmental Testing
179 Magowar Road,
GIRRAWEEN, NSW 2145
AUSTRALIA
Phone: +61 02 9900 8421
Email: EnviroSampleNSW@eurofins.com
Website:[http://]environment.eurofins.com.au

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Critical Infrastructure Program - Waste Management Facility			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Ursula Long/ Adam Bateup	
PROJECT No:	30013573A			ADDRESS & PHONE No.:	179 Magowar Road, Girraween, NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	231130SMEN	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT	
SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05607545 & 081-05646885), EIL sample hand delivered to Eurofins Unanderra	
DATE(s) SAMPLED:	22/10/24 - 25/10/24	RELINQUISHED BY:	Elvis Dsouza	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	25/10/24@1630	DATE/TIME:	26/10/2024 @0800			
EMAIL REPORTS TO (default to PM/TL):	steven.drysdale@smec.com, elvis.dsouza@smec.com, smec@esdat.com.au	RECEIVED BY:	Elizabeth Brotherton	16.4°C		
EMAIL INVOICE TO (default to PM/TL):	steven.drysdale@smec.com	DATE/TIME:	28/10 5:56pm	courier		

SPECIAL LABORATORY INSTRUCTIONS:
Analyse for B6 and SVV on samples where B7 and SVV is selected
Please ensure all samples are analysed within respective holding times.
Note: Short holding times apply to some analytes.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	**B7** TRH, BTEXN, PAH, Metals 8 (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	**B15** OCP, OPP, PCB	**SVV** SVOC, VOC	**B19E** Nutrients #5 TN*, Organic N*, TKN, NOX, NO2, NO3, NH3 (as N), TP(as P), Reactive P	**PFAS Extended Suite** – 30 PFAS (Standard Level)	**Asbestos NEPM and WA Guidelines** (0.001%w/w)	Asbestos p/a	E-Coli & Total Coliforms	**vTRH+BTEXN**	**R21** % Fe, CEC, pH(CaCl2), TOC, % Clay Content	Comment
	TP24/0.1	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x			x			
	TP24/1.5	22/10/2024	Soil	J, B, PFAS, Micro	4	2			x		x		x			
	TP24/2.0	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x						
	TP24/2.5	22/10/2024	Soil	J, B, PFAS, Micro	4											
	TP25/0.5	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x		x	x			x			
	TP25/1.5	22/10/2024	Soil	J, B, PFAS, Micro	4				x				x			
	TP25/2.5	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x			x						
	TP26/0.2	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP26/1.0	22/10/2024	Soil	J, B, PFAS, Micro	4											

1153612

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CHAIN OF CUSTODY FORM

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PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT	
SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05607545 & 081-05646885), EIL sample hand delivered to Eurofins Unanderra	
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EMAIL REPORTS TO (default to PM/TL):	steven.drysdale@smec.com, elvis.dsouza@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	steven.drysdale@smec.com	DATE/TIME:				

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SAMPLE DETAILS						ANALYSIS REQUIRED										
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	**B7** TRH, BTEXN, PAH, Metals 8 (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	**B15** OCP, OPP, PCB	**SVV** SVOC, VOC	**B19E** Nutrients #5 TN*, Organic N*, TKN, NOX, NO2, NO3, NH3 (as N), TP(as P), Reactive P	**PFAS Extended** Suite – 30 PFAS (Standard Level)	**Asbestos NEPM and WA Guidelines** (0.001%w/w)	Asbestos p/a	E-Coli & Total Coliforms	**VTRH+BTEXN**	**R21** % Fe, CEC, pH(CaCl2), TOC, % Clay Content	Comment
	TP26/1.8	22/10/2024	Soil	J, B, PFAS, Micro	4											
	TP27/0.1	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x						
	TP27/0.7	22/10/2024	Soil	J, B, PFAS, Micro	4						x					
	TP29/0.2	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x	x					
	TP29/1.2	22/10/2024	Soil	J, B, PFAS, Micro	4						x					
	TP29/2.2	22/10/2024	Soil	B	1											Keep Frozen
	TP30/0.1	22/10/2024	Soil	J, B, PFAS, Micro	4											
	TP30/1.0	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x						
	TP20/1.2	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP20/2.5	22/10/2024	Soil	J, B, PFAS, Micro	4						x					
	TP19/0.1	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x			x	x					
	TP19/1.0	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x						
	TP18/0.1	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x						
	TP18/0.6	22/10/2024	Soil	J, B, PFAS, Micro	4	x	x			x	x					
	TP17/0.1	22/10/2024	Soil	J, B, PFAS, Micro	4								x			

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CHAIN OF CUSTODY FORM

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SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Ursula Long/ Adam Bateup	
PROJECT No:	30013573A			ADDRESS & PHONE No.:	179 Magowar Road, Girraween, NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	231130SMEN	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT	
SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05607545 & 081-05646885), EIL sample hand delivered to Eurofins Unanderra	
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EMAIL INVOICE TO (default to PM/TL):	steven.drysdale@smec.com	DATE/TIME:				

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	TP17/0.5	22/10/2024	Soil	J, B, PFAS, Micro	4	X	X	X	X	X	X		X			
	TP16/0.1	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X	X	X	X			X			
	TP16/0.5	23/10/2024	Soil	J, B, PFAS, Micro	4				X				X			
	TP16/1.0	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X	X	X	X						
	TP21/0.1	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X			X						
	TP21/1.0	23/10/2024	Soil	J, B, PFAS, Micro	4											
	TP22/0.1	23/10/2024	Soil	J, B, PFAS, Micro	4				X				X			
	TP22/1.0	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X		X	X			X			
	TP22/2.0	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X		X	X			X			
	TP23/0.3	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X		X	X			X			
	TP23/1.0	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X			X						
	TP31/0.1	23/10/2024	Soil	J, B, PFAS, Micro	4					X						
	TP31/0.9	23/10/2024	Soil	J	1	X	X									
	TP31/1.0	23/10/2024	Soil	J, B, PFAS, Micro	4	X	X	X		X						
	TP15/0.1	23/10/2024	Soil	J, B, PFAS, Micro	4								X			

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CHAIN OF CUSTODY FORM

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SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05607545 & 081-05646885), EIL sample hand delivered to Eurofins Unanderra	
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	TP15/0.5	23/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x			x			
	TP15/1.0	23/10/2024	Soil	J, B, PFAS, Micro	4	x	x			x						
	TP09/0.1	23/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP09/1.5	23/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP09/2.7	23/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP01/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4				x				x			
	TP01/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x			x			
	TP02/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x			x			
	TP02/1.0	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP03/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x		x	x			x			
	TP03/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP04/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4				x				x			

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	TP04/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x			x			
	TP04/1.0	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP05/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x			x			
	TP05/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP11/0.2	24/10/2024	Soil	J, B, PFAS, Micro	4				x				x			
	TP11/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP11/1.2	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP12/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x		x	x			x			
	TP12/1.0	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP13/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x		x	x			x			
	TP13/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP13/1.0	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x		x	x			x			
	TP14/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x			x			
	TP14/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4								x			
	TP14/1.0	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x	x	x						

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CHAIN OF CUSTODY FORM

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PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT	
SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05607545 & 081-05646885), EIL sample hand delivered to Eurofins Unanderra	
DATE(s) SAMPLED:	22/10/24 - 25/10/24	RELINQUISHED BY:	Elvis Dsouza	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	25/10/24@1630	DATE/TIME:	26/10/2024 @0800			
EMAIL REPORTS TO (default to PM/TL):	steven.drysdale@smec.com, elvis.dsouza@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	steven.drysdale@smec.com	DATE/TIME:				

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	TP10/1.0	24/10/2024	Soil	J, B, PFAS, Micro	4	X	X	X		X	X					
	TP10/2.0	24/10/2024	Soil	J, B, PFAS, Micro	4											
	TP10/3.0	24/10/2024	Soil	J, B, PFAS, Micro	4											
	TP08/0.1	24/10/2024	Soil	J, B, PFAS, Micro	4	X	X	X		X	X					
	TP08/0.6	24/10/2024	Soil	J, B, PFAS, Micro	4						X					
	TP06/0.5	24/10/2024	Soil	J, B, PFAS, Micro	4	X	X	X		X	X					

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Critical Infrastructure Program - Waste Management Facility			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Ursula Long/ Adam Bateup	
PROJECT No:	30013573A			ADDRESS & PHONE No.:	179 Magowar Road, Girraween, NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	231130SMEN	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT	
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	TP06/1.5	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP06/2.0	24/10/2024	Soil	J, B, PFAS, Micro	4						x					
	TP07/0.2	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP07/1.0	24/10/2024	Soil	J, B, PFAS, Micro	4						x					
	TP07/1.8	24/10/2024	Soil	J, B, PFAS, Micro	4	x	x	x		x	x					
	TP29/0.2_ACM	22/10/2024	Fragment	B	1							x				
	TP20/1.2_ACM	22/10/2024	Fragment	B	1							x				
	TP20/2.5_ACM	22/10/2024	Fragment	B	1							x				
	TP09/1.5_ACM	23/10/2024	Fragment	B	1							x				
	TP09/2.7_ACM	23/10/2024	Fragment	B	1							x				
	TP11/1.2_ACM	24/10/2024	Fragment	B	1							x				
	TP08/0.6_ACM	24/10/2024	Fragment	B	1							x				
	TP06/1.5_ACM	24/10/2024	Fragment	B	1							x				
	TP06/2.0_ACM	24/10/2024	Fragment	B	1							x				
	TP07/1.8_ACM	24/10/2024	Fragment	B	1							x				

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	QA1	22/10/2024	Soil	J, PFAS, Micro	3	X	X			X						
	QA1A	22/10/2024	Soil	J, PFAS, Micro	3	X	X			X						Forward to SGS for analysis

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	QA2	23/10/2024	Soil	J, PFAS, Micro	3	x	x			x						
	QA2A	23/10/2024	Soil	J, PFAS, Micro	3	x	x			x						Forward to SGS for analysis
	TS	25/10/2024	Soil	Vial	1									x		
	TB	25/10/2024	Soil	Vial	1									x		
	TP35/0.5	25/10/2024	Soil	J, B, PFAS	3											
	TP34/2.0	25/10/2024	Soil	J, B, PFAS	3											
	TP33/1.5	25/10/2024	Soil	J, B, PFAS	3											
	TP32/1.2	25/10/2024	Soil	J, B, PFAS	3											
	TP32/1.6	25/10/2024	Soil	Micro	1								x			
	TP36/1.0	25/10/2024	Soil	J, B, PFAS	3											
	TP37/0.5	25/10/2024	Soil	J, B, PFAS	3											
	TP37/2.5	25/10/2024	Soil	J, B, PFAS	3											
	QA3	25/10/2024	Soil	J, B, PFAS	3											
	QA3A	25/10/2024	Soil	J, B, PFAS	3											Forward to SGS for analysis
	EIL	25/10/2024	Soil	J	1										x	

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				TOTAL	104	49	49	30	30	49	23	10	34	2	1	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

Outlook

RE: AMENDED Eurofins Sample Receipt Advice - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

From Elvis DSOUZA <Elvis.Dsouza@smec.com>
Date Wed 30/10/2024 1:00 PM
To Adam Bateup <Adam.Bateup@eurofinsanz.com>; SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>
Cc Steven DRYSDALE <Steven.Drysdale@smec.com>

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 Adam,

Additionally, can you please update micro analysis from total coliforms to thermo coliforms on all samples that were selected for analysis in 1153612?

Cheers,
Elvis Dsouza
Senior Environmental Scientist - Environment
T +61 2 9925 5501 **E** Elvis.Dsouza@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

---

From: Steven DRYSDALE <STEVEN.DRYSDALE@SMEC.COM>
Sent: Wednesday, 30 October 2024 9:48 AM
To: Adam.Bateup@eurofinsanz.com
Cc: Elvis DSOUZA <Elvis.Dsouza@smec.com>; EnviroSampleNSW@eurofins.com
Subject: RE: AMENDED Eurofins Sample Receipt Advice - Report 1153612 : Site LORD HOWE ISLAND (30013573A)
Importance: High

Hi Adam,

Can you find TP32/1.6 please? This was the only sample of that specific material type from the site.

Cheers

Steven DRYSDALE
Manager - Environment, Sydney
M +61 403 503 373 **T** +61299255490 **E** Steven.Drysdale@smec.com
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From: EnviroSampleNSW@eurofins.com <EnviroSampleNSW@eurofins.com>
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To: Steven DRYSDALE <STEVEN.DRYSDALE@SMEC.COM>
Cc: Elvis DSOUZA <elvis.dsouza@smec.com>
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Dear Valued Client,

QA1A, QA2A and QA3A forwarded to SGS. Missing sample: TP32/1.6.

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Elizabeth Brotherton
Sample Receipt

Eurofins | Environmental Testing
179 Magowar Road,
GIRRAWEEN, NSW 2145
AUSTRALIA
Phone: +61 02 9900 8421
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SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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: **STEVEN DRYSDALE**

Report **1154982-S**
Project name ADDITIONAL: LORD HOWE ISLAND
Project ID 30013573A
Received Date Oct 30, 2024

Client Sample ID			**TP35/0.5**	**TP34/2.0**	**TP33/1.5**	**TP32/1.2**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-Oc0082804**	**S24-Oc0082805**	**S24-Oc0082806**	**S24-Oc0082807**
Date Sampled			**Oct 25, 2024**	**Oct 25, 2024**	**Oct 25, 2024**	**Oct 25, 2024**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	210	210	< 50	240
TRH C29-C36	50	mg/kg	370	360	69	350
TRH C10-C36 (Total)	50	mg/kg	580	570	69	590
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	490	490	< 100	510
TRH >C34-C40	100	mg/kg	270	180	< 100	180
TRH >C10-C40 (total)*	100	mg/kg	760	670	< 100	690
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	98	104	112	98
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP35/0.5	TP34/2.0	TP33/1.5	TP32/1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0082804	S24-Oc0082805	S24-Oc0082806	S24-Oc0082807
Date Sampled			Oct 25, 2024	Oct 25, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	103	76	95	91
p-Terphenyl-d14 (surr.)	1	%	94	78	70	67
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	0.08	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	0.06	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	0.08	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	INT	88	56	51
Tetrachloro-m-xylene (surr.)	1	%	110	97	79	79
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			TP35/0.5	TP34/2.0	TP33/1.5	TP32/1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0082804	S24-Oc0082805	S24-Oc0082806	S24-Oc0082807
Date Sampled			Oct 25, 2024	Oct 25, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	81	77	54	55
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	INT	88	56	51
Tetrachloro-m-xylene (surr.)	1	%	110	97	79	79
Ammonia (as N)	5	mg/kg	< 5	< 5	< 5	200
Nitrate & Nitrite (as N)	5	mg/kg	270	270	87	48
Nitrate (as N)	5	mg/kg	270	270	87	46
Nitrite (as N)	5	mg/kg	< 5	< 5	< 5	< 5
Organic Nitrogen (as N)*	10	mg/kg	26000	13000	2300	6800
Phosphorus reactive (as P)	10	mg/kg	< 10	16	< 10	< 10
Total Kjeldahl Nitrogen (as N)	10	mg/kg	26000	13000	2300	7000
Total Nitrogen (as N)*	10	mg/kg	26000	13000	2400	7000
Phosphorus	5	mg/kg	3700	2600	950	2700

Client Sample ID			TP35/0.5	TP34/2.0	TP33/1.5	TP32/1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0082804	S24-Oc0082805	S24-Oc0082806	S24-Oc0082807
Date Sampled			Oct 25, 2024	Oct 25, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	3.1	4.8	< 2	6.3
Cadmium	0.4	mg/kg	1.4	0.7	< 0.4	0.7
Chromium	5	mg/kg	15	15	6.1	29
Copper	5	mg/kg	81	82	9.7	30
Lead	5	mg/kg	7.4	8.8	< 5	9.7
Mercury	0.1	mg/kg	0.1	0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	20	16	38
Zinc	5	mg/kg	190	190	27	110
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Sample Properties						
% Moisture	1	%	51	34	20	38

Client Sample ID			TP36/1.0	TP37/0.5	TP37/2.5
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0082808	S24-Oc0082809	S24-Oc0082810
Date Sampled			Oct 25, 2024	Oct 25, 2024	Oct 25, 2024
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	170	300	78
TRH C29-C36	50	mg/kg	260	91	56
TRH C10-C36 (Total)	50	mg/kg	430	391	134
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
TRH >C16-C34	100	mg/kg	360	340	120
TRH >C34-C40	100	mg/kg	160	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	520	340	120
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	%	96	82	104
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5

Client Sample ID			TP36/1.0	TP37/0.5	TP37/2.5
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0082808	S24-Oc0082809	S24-Oc0082810
Date Sampled			Oct 25, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit			
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
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	%	94	67	89
p-Terphenyl-d14 (surr.)	1	%	71	52	66
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
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05
d-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
g-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
Dibutylchlorendate (surr.)	1	%	61	59	59
Tetrachloro-m-xylene (surr.)	1	%	86	61	77

Client Sample ID			TP36/1.0	TP37/0.5	TP37/2.5
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0082808	S24-Oc0082809	S24-Oc0082810
Date Sampled			Oct 25, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit			
Organophosphorus Pesticides					
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	60	INT	54
Polychlorinated Biphenyls					
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	61	59	59
Tetrachloro-m-xylene (surr.)	1	%	86	61	77

Client Sample ID			TP36/1.0	TP37/0.5	TP37/2.5
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S24-Oc0082808	S24-Oc0082809	S24-Oc0082810
Date Sampled			Oct 25, 2024	Oct 25, 2024	Oct 25, 2024
Test/Reference	LOR	Unit			
Ammonia (as N)	5	mg/kg	13	< 5	< 5
Nitrate & Nitrite (as N)	5	mg/kg	60	73	100
Nitrate (as N)	5	mg/kg	59	73	100
Nitrite (as N)	5	mg/kg	< 5	< 5	< 5
Organic Nitrogen (as N)*	10	mg/kg	15987	3300	1500
Phosphorus reactive (as P)	10	mg/kg	< 10	< 10	< 10
Total Kjeldahl Nitrogen (as N)	10	mg/kg	16000	3300	1500
Total Nitrogen (as N)*	10	mg/kg	16000	3400	1600
Phosphorus	5	mg/kg	3300	1600	1000
Heavy Metals					
Arsenic	2	mg/kg	8.1	7.0	8.8
Cadmium	0.4	mg/kg	1.0	0.9	0.9
Chromium	5	mg/kg	29	25	23
Copper	5	mg/kg	42	37	18
Lead	5	mg/kg	21	21	24
Mercury	0.1	mg/kg	0.1	< 0.1	< 0.1
Nickel	5	mg/kg	31	26	28
Zinc	5	mg/kg	170	150	100
Pathogens					
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED
Sample Properties					
% Moisture	1	%	30	27	16

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	Sydney	Nov 01, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 01, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 01, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Nov 01, 2024	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Nov 01, 2024	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Nov 01, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Nov 01, 2024	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Nov 01, 2024	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Nov 01, 2024	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P			
Ammonia (as N)	Melbourne	Nov 08, 2024	28 Days
- Method: APHA 4500-NH3 Ammonia Nitrogen by FIA			
Nitrate & Nitrite (as N)	Melbourne	Nov 08, 2024	28 Days
- Method: LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA			
Nitrate (as N)	Melbourne	Nov 08, 2024	28 Days
- Method: LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA			
Nitrite (as N)	Melbourne	Nov 08, 2024	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Organic Nitrogen (as N)*	Melbourne	Oct 30, 2024	7 Days
- Method: APHA 4500 Organic Nitrogen (N)			
Phosphorus reactive (as P)	Melbourne	Nov 08, 2024	28 Days
- Method: APHA 4500-P			
Total Kjeldahl Nitrogen (as N)	Melbourne	Nov 08, 2024	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Phosphorus	Melbourne	Nov 08, 2024	180 Days
- Method: LTM-MET-3010 Alkali Metals Sulfur Silicon and Phosphorus by ICP-AES			
% Moisture	Sydney	Oct 30, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			

eurofins

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1154982
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 30, 2024 2:34 PM
Due: Nov 6, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	Eurofins Suite B7	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P
Melbourne Laboratory - NATA # 1261 Site # 1254											X
Sydney Laboratory - NATA # 1261 Site # 18217								X	X	X	
External Laboratory						X	X				
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**						
1	TP35/0.5	Oct 25, 2024		Soil	S24-Oc0082804	X	X	X	X	X	X
2	TP34/2.0	Oct 25, 2024		Soil	S24-Oc0082805	X	X	X	X	X	X
3	TP33/1.5	Oct 25, 2024		Soil	S24-Oc0082806	X	X	X	X	X	X
4	TP32/1.2	Oct 25, 2024		Soil	S24-Oc0082807	X	X	X	X	X	X
5	TP36/1.0	Oct 25, 2024		Soil	S24-Oc0082808	X	X	X	X	X	X
6	TP37/0.5	Oct 25, 2024		Soil	S24-Oc0082809	X	X	X	X	X	X
7	TP37/2.5	Oct 25, 2024		Soil	S24-Oc0082810	X	X	X	X	X	X
Test Counts						7	7	7	7	7	7

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 (*bis*-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 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	
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							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Ammonia (as N)	mg/kg	< 5			5	Pass	
Nitrate & Nitrite (as N)	mg/kg	< 5			5	Pass	
Nitrate (as N)	mg/kg	< 5			5	Pass	
Nitrite (as N)	mg/kg	< 5			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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	101			70-130	Pass	
TRH C10-C14	%	71			70-130	Pass	
TRH C6-C10	%	100			70-130	Pass	
TRH >C10-C16	%	72			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	101			70-130	Pass	
Toluene	%	101			70-130	Pass	
Ethylbenzene	%	100			70-130	Pass	
m&p-Xylenes	%	105			70-130	Pass	
o-Xylene	%	102			70-130	Pass	
Xylenes - Total*	%	104			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	95			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	90			70-130	Pass	
Acenaphthylene	%	92			70-130	Pass	
Anthracene	%	105			70-130	Pass	
Benz(a)anthracene	%	71			70-130	Pass	
Benzo(a)pyrene	%	93			70-130	Pass	
Benzo(b&j)fluoranthene	%	80			70-130	Pass	
Benzo(g.h.i)perylene	%	72			70-130	Pass	
Benzo(k)fluoranthene	%	104			70-130	Pass	
Chrysene	%	103			70-130	Pass	
Dibenz(a.h)anthracene	%	83			70-130	Pass	
Fluoranthene	%	93			70-130	Pass	
Fluorene	%	88			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	88			70-130	Pass	
Naphthalene	%	93			70-130	Pass	
Phenanthrene	%	80			70-130	Pass	
Pyrene	%	96			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chlordanes - Total	%	124			70-130	Pass	
4.4'-DDD	%	119			70-130	Pass	
4.4'-DDE	%	116			70-130	Pass	
4.4'-DDT	%	97			70-130	Pass	
a-HCH	%	115			70-130	Pass	
Aldrin	%	116			70-130	Pass	
b-HCH	%	103			70-130	Pass	
d-HCH	%	101			70-130	Pass	
Dieldrin	%	113			70-130	Pass	
Endosulfan I	%	108			70-130	Pass	
Endosulfan II	%	117			70-130	Pass	
Endosulfan sulphate	%	114			70-130	Pass	
Endrin	%	118			70-130	Pass	
Endrin aldehyde	%	112			70-130	Pass	
Endrin ketone	%	114			70-130	Pass	
g-HCH (Lindane)	%	116			70-130	Pass	
Heptachlor	%	124			70-130	Pass	
Heptachlor epoxide	%	124			70-130	Pass	
Hexachlorobenzene	%	125			70-130	Pass	
Methoxychlor	%	108			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	91			70-130	Pass	
Dimethoate	%	75			70-130	Pass	
Ethion	%	98			70-130	Pass	
Fenitrothion	%	97			70-130	Pass	
Methyl parathion	%	92			70-130	Pass	
Mevinphos	%	76			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	97			70-130	Pass	
Aroclor-1260	%	115			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	98			80-120	Pass	
Cadmium	%	99			80-120	Pass	
Chromium	%	99			80-120	Pass	
Copper	%	100			80-120	Pass	
Lead	%	92			80-120	Pass	
Mercury	%	106			80-120	Pass	
Nickel	%	105			80-120	Pass	
Zinc	%	103			80-120	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	R24-Oc0078980	NCP	%	116			70-130	Pass	
TRH C10-C14	S24-No0017159	NCP	%	72			70-130	Pass	
TRH C6-C10	R24-Oc0078980	NCP	%	114			70-130	Pass	
TRH >C10-C16	S24-No0017159	NCP	%	71			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	R24-Oc0078980	NCP	%	108			70-130	Pass	
Toluene	R24-Oc0078980	NCP	%	114			70-130	Pass	
Ethylbenzene	R24-Oc0078980	NCP	%	109			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
m&p-Xylenes	R24-Oc0078980	NCP	%	122			70-130	Pass	
o-Xylene	R24-Oc0078980	NCP	%	107			70-130	Pass	
Xylenes - Total*	R24-Oc0078980	NCP	%	117			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	R24-Oc0078980	NCP	%	95			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S24-No0003233	NCP	%	87			70-130	Pass	
Acenaphthylene	S24-No0003233	NCP	%	89			70-130	Pass	
Anthracene	S24-No0003233	NCP	%	96			70-130	Pass	
Benzo(a)pyrene	S24-No0003233	NCP	%	90			70-130	Pass	
Benzo(b&j)fluoranthene	S24-No0003233	NCP	%	77			70-130	Pass	
Benzo(k)fluoranthene	S24-No0003233	NCP	%	102			70-130	Pass	
Chrysene	S24-No0003233	NCP	%	127			70-130	Pass	
Fluoranthene	S24-No0003233	NCP	%	106			70-130	Pass	
Fluorene	S24-No0003233	NCP	%	83			70-130	Pass	
Naphthalene	S24-No0003233	NCP	%	102			70-130	Pass	
Pyrene	S24-No0003233	NCP	%	112			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Oc0077351	NCP	%	118			70-130	Pass	
4.4'-DDD	S24-Oc0077351	NCP	%	111			70-130	Pass	
4.4'-DDE	S24-Oc0077351	NCP	%	103			70-130	Pass	
4.4'-DDT	S24-Oc0077351	NCP	%	106			70-130	Pass	
a-HCH	S24-Oc0077351	NCP	%	98			70-130	Pass	
Aldrin	S24-Oc0077351	NCP	%	97			70-130	Pass	
b-HCH	S24-Oc0077351	NCP	%	79			70-130	Pass	
d-HCH	S24-Oc0077351	NCP	%	88			70-130	Pass	
Dieldrin	S24-Oc0077351	NCP	%	102			70-130	Pass	
Endosulfan I	S24-Oc0077351	NCP	%	92			70-130	Pass	
Endosulfan II	S24-Oc0077351	NCP	%	99			70-130	Pass	
Endosulfan sulphate	S24-Oc0077351	NCP	%	118			70-130	Pass	
Endrin	S24-Oc0077351	NCP	%	110			70-130	Pass	
Endrin aldehyde	S24-Oc0077351	NCP	%	124			70-130	Pass	
Endrin ketone	S24-Oc0077351	NCP	%	125			70-130	Pass	
g-HCH (Lindane)	S24-Oc0077351	NCP	%	100			70-130	Pass	
Heptachlor	S24-Oc0077351	NCP	%	102			70-130	Pass	
Heptachlor epoxide	S24-Oc0077351	NCP	%	115			70-130	Pass	
Hexachlorobenzene	S24-Oc0077351	NCP	%	111			70-130	Pass	
Methoxychlor	S24-Oc0077351	NCP	%	127			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	W24-Oc0083438	NCP	%	92			70-130	Pass	
Ethion	W24-Oc0083438	NCP	%	81			70-130	Pass	
Fenitrothion	W24-Oc0083438	NCP	%	82			70-130	Pass	
Mevinphos	W24-Oc0083438	NCP	%	75			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Oc0077351	NCP	%	90			70-130	Pass	
Aroclor-1260	S24-Oc0077351	NCP	%	103			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	W24-No0000794	NCP	%	109			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Cadmium	W24-No0000794	NCP	%	110			75-125	Pass	
Chromium	W24-No0000794	NCP	%	103			75-125	Pass	
Copper	W24-No0000794	NCP	%	105			75-125	Pass	
Lead	W24-No0000794	NCP	%	97			75-125	Pass	
Mercury	W24-No0000794	NCP	%	115			75-125	Pass	
Nickel	W24-No0000794	NCP	%	104			75-125	Pass	
Zinc	W24-No0000794	NCP	%	103			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Benz(a)anthracene	S24-No0006403	NCP	%	97			70-130	Pass	
Benzo(g.h.i)perylene	S24-No0006403	NCP	%	117			70-130	Pass	
Dibenz(a.h)anthracene	S24-No0006403	NCP	%	110			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S24-No0006403	NCP	%	106			70-130	Pass	
Phenanthrene	S24-No0006403	NCP	%	91			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	N24-No0001619	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	N24-No0001619	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Methoxychlor	S24-No0003383	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-No0003383	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-No0003383	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-No0003383	NCP	mg/kg	< 0.2	0.2	83	30%	Fail	Q15
Ethoprop	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-No0003383	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-No0003383	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-No0003383	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-No0003383	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Nitrate & Nitrite (as N)	M24-No0013488	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Nitrite (as N)	M24-No0013488	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Total Kjeldahl Nitrogen (as N)	M24-No0019389	NCP	mg/kg	22	22	<1	30%	Pass	
Phosphorus	M24-No0004600	NCP	mg/kg	300	300	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Oc0082133	NCP	mg/kg	6.8	6.4	6.0	30%	Pass	
Cadmium	S24-Oc0082133	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Oc0082133	NCP	mg/kg	7.8	8.0	3.0	30%	Pass	
Copper	S24-Oc0082133	NCP	mg/kg	29	32	9.0	30%	Pass	
Lead	S24-Oc0082133	NCP	mg/kg	33	36	8.0	30%	Pass	
Mercury	S24-Oc0082133	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Oc0082133	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S24-Oc0082133	NCP	mg/kg	15	11	29	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Oc0082805	CP	%	34	39	16	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S24-Oc0082806	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Oc0082806	CP	mg/kg	< 50	66	60	30%	Fail	Q15
TRH C29-C36	S24-Oc0082806	CP	mg/kg	69	98	35	30%	Fail	Q15
TRH >C10-C16	S24-Oc0082806	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Oc0082806	CP	mg/kg	< 100	130	42	30%	Fail	Q15
TRH >C34-C40	S24-Oc0082806	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Oc0082807	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Oc0082807	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S24-Oc0082807	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S24-Oc0082807	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S24-Oc0082807	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S24-Oc0082807	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S24-Oc0082807	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S24-Oc0082807	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-Oc0082807	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Comments

Analysis of E.Coli and thermotolerant coliforms has been completed by Eurofins Food Testing Australia Pty Ltd, NATA Accreditation Number 20293, report reference AR-24-NV-021066-01.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	18.5°C
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
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:

Ursula Long	Analytical Services Manager
Caitlin Breeze	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Mickael Ros	Senior Analyst-Metal
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Sample Properties
Roopesh Rangarajan	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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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
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WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1154982
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Oct 30, 2024 2:34 PM
Due: Nov 6, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	Thermotolerant Coliforms (MPN)	Eurofins Suite B15	Moisture Set	Eurofins Suite B7	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P
Melbourne Laboratory - NATA # 1261 Site # 1254											X
Sydney Laboratory - NATA # 1261 Site # 18217								X	X	X	
External Laboratory						X	X				
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**						
1	TP35/0.5	Oct 25, 2024		Soil	S24-Oc0082804	X	X	X	X	X	X
2	TP34/2.0	Oct 25, 2024		Soil	S24-Oc0082805	X	X	X	X	X	X
3	TP33/1.5	Oct 25, 2024		Soil	S24-Oc0082806	X	X	X	X	X	X
4	TP32/1.2	Oct 25, 2024		Soil	S24-Oc0082807	X	X	X	X	X	X
5	TP36/1.0	Oct 25, 2024		Soil	S24-Oc0082808	X	X	X	X	X	X
6	TP37/0.5	Oct 25, 2024		Soil	S24-Oc0082809	X	X	X	X	X	X
7	TP37/2.5	Oct 25, 2024		Soil	S24-Oc0082810	X	X	X	X	X	X
Test Counts						7	7	7	7	7	7

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www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	SMEC Australia Pty Ltd (SYD)
Contact name:	STEVEN DRYSDALE
Project name:	ADDITIONAL: LORD HOWE ISLAND
Project ID:	30013573A
Turnaround time:	5 Day
Date/Time received	Oct 30, 2024 2:34 PM
Eurofins reference	1154982

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 18.5 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	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:

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to STEVEN DRYSDALE - STEVEN.DRYSDALE@SMEC.COM.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

Outlook

FW: AMENDED Eurofins Sample Receipt Advice - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

From Adam Bateup <Adam.Bateup@eurofinsanz.com>
Date Wed 30/10/2024 2:34 PM
To SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>

1 attachments (218 KB)
Chain of Custody_30013573A_241026.xlsx;

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.

Standard TAT additional to report 1153612 – for any that do not have a micro container, please organise a subsample from the PFAS tub.

Kind Regards,

Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: adam.bateup@eurofinsanz.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com.au/environmental-testing

This e-mail including its attachments may contain confidential and proprietary information. Any unauthorized disclosure or use of this e-mail including its attachments is prohibited and may be prosecuted. If you are not the intended recipient, please inform the sender by an e-mail reply and delete the message.
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From: Elvis DSOUZA <elvis.dsouza@smec.com>
Sent: Wednesday, 30 October 2024 12:53 PM
To: Adam Bateup <Adam.Bateup@eurofinsanz.com>; SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>
Cc: Steven DRYSDALE <Steven.Drysdale@smec.com>
Subject: RE: AMENDED Eurofins Sample Receipt Advice - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

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 Adam,

Please find attached additional analysis request for samples currently on hold under 1153612.

Cheers,

Elvis Dsouza
Senior Environmental Scientist - Environment
T +61 2 9925 5501 **E** Elvis.Dsouza@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

---

From: EnviroSampleNSW@eurofins.com <EnviroSampleNSW@eurofins.com>
Sent: Tuesday, 29 October 2024 10:57 AM
To: Steven DRYSDALE <STEVEN.DRYSDALE@SMEC.COM>
Cc: Elvis DSOUZA <elvis.dsouza@smec.com>
Subject: AMENDED Eurofins Sample Receipt Advice - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

Dear Valued Client,

QA1A, QA2A and QA3A forwarded to SGS. Missing sample: TP32/1.6.

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Elizabeth Brotherton
Sample Receipt

Eurofins | Environmental Testing
179 Magowar Road,
GIRRAWEEN, NSW 2145
AUSTRALIA
Phone: +61 02 9900 8421
Email: EnviroSampleNSW@eurofins.com
Website:http://environment.eurofins.com.au
View our latest EnviroNotes

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an ⬛ company

CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Critical Infrastructure Program - Waste Management Facility			LABORATORY:	Eurofins		
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Ursula Long/ Adam Bateup		
PROJECT No:	30013573A			ADDRESS & PHONE No.:	179 Magowar Road, Girraween, NSW 2145		
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	231130SMEN		
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT		
SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05646885)		
DATE(s) SAMPLED:	25/10/2024	RELINQUISHED BY:	Elvis Dsouza	2)	3)		4)
DATE/TIME OF DEPARTURE FROM SITE:	25/10/24@1600	DATE/TIME:	26/10/2024 @0800				
EMAIL REPORTS TO (default to PM/TL):	steven.drysdale@smec.com, elvis.dsouza@smec.com, smec@sedat.com.au	RECEIVED BY:					
EMAIL INVOICE TO (default to PM/TL):	steven.drysdale@smec.com	DATE/TIME:					

SPECIAL LABORATORY INSTRUCTIONS:
Please ensure all samples are analysed within respective holding times.
Note: Short holding times apply to some analytes.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	B7 TRH, BTEXN, PAH, Metals 8 (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 OCP, OPP, PCB	SVV SVOC, VOC	B19E Nutrients #5 TN*, Organic N*, TKN, NOX, NO2, NO3, NH3 (as N), TP(as P), Filtered P	PFAS Extended Suite – 30 PFAS (Standard Level)	Asbestos NEPM incl WA Guidelines (0.001%w/w)	Asbestos p/a	E-Coli & Thermo Coliforms	vTRH+BTEXN	Hold	Comment
	TP35/0.5	25/10/2024	Soil	J, B, PFAS	3	x	x		x				x			
	TP34/2.0	25/10/2024	Soil	J, B, PFAS	3	x	x		x				x			
	TP33/1.5	25/10/2024	Soil	J, B, PFAS	3	x	x		x				x			
	TP32/1.2	25/10/2024	Soil	J, B, PFAS	3	x	x		x				x			
	TP32/1.8	25/10/2024	Soil	Micro	1								x			Reported under 1153612
	TP36/1.0	25/10/2024	Soil	J, B, PFAS	3	x	x		x				x			
	TP37/0.5	25/10/2024	Soil	J, B, PFAS	3	x	x		x				x			
	TP37/2.5	25/10/2024	Soil	J, B, PFAS	3	x	x		x				x			
	QA3	25/10/2024	Soil	J, B, PFAS	3										x	
	QA3A	25/10/2024	Soil	J, B, PFAS	3										x	
				TOTAL	10	7	7	0	7	0	0	0	8	0	2	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

115 4982

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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: **STEVEN DRYSDALE**

Report **1157818-S**
Project name ADDITIONAL: LORD HOWE ISLAND
Project ID 30013573A
Received Date Nov 06, 2024

Client Sample ID			**TP10/2.0**	**TP10/3.0**
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S24-No0019139**	**S24-No0019140**
Date Sampled			**Oct 24, 2024**	**Oct 24, 2024**
Test/Reference	LOR	Unit		
Sample Properties				
% Moisture	1	%	15	20

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
% Moisture	Sydney	Nov 07, 2024	14 Days

- Method: LTM-GEN-7080 Moisture

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web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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ABN: 91 05 0159 898

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NATA# 2377
Site# 2370 & 2554

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NZBN: 9429046024954

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1157818
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Nov 6, 2024 4:39 PM
Due: Nov 13, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	TP10/2.0	Oct 24, 2024		Soil	S24-No0019139	X	X
2	TP10/3.0	Oct 24, 2024		Soil	S24-No0019140	X	X
Test Counts						2	2

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 (*bis*-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	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-No0018854	NCP	%	7.9	9.3	16	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	18.5°C
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

Authorised by:

Adam Bateup	Analytical Services Manager
Chamath JHM Annakkage	Senior Analyst-Asbestos
Roopesh Rangarajan	Senior Analyst-Sample Properties



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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Certificate of Analysis

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025–Testing
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Attention:	STEVEN DRYSDALE
Report	1157818-AID
Project Name	ADDITIONAL: LORD HOWE ISLAND
Project ID	30013573A
Received Date	Nov 06, 2024
Date Reported	Nov 13, 2024

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004 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.*
Man-made vitreous fibre (MMVF)	Fibres 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). Simple analytical procedures such as polarised light microscopy cannot detect or reliably identify asbestos in some types of commercial products containing asbestos, either because the fibres are below the resolution of optical microscopy or because the matrix material adheres too strongly to the fibres. For these types of products, electron microscopy may be necessary.
Subsampling Soil Samples	The sample submitted is dried and passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm and greater than 2 mm and the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 g to 60 g, then a subsampling routine based on ISO 3082:2017(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be subsampled for trace analysis, in accordance with AS 5370:2024*.*
Bonded asbestos-containing material (ACM)	The material is first examined, and any fibres are 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 5370:2024*. *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 5370:2024* 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, per se. Examination of 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 5370:2024*, and hence, NATA Accreditation does not cover the performance of this service (non-NATA results are 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 ADDITIONAL: LORD HOWE ISLAND
Project ID 30013573A
Date Sampled Oct 24, 2024
Report 1157818-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP10/2.0	24-No0019139	Oct 24, 2024	Approximate Sample 432g Sample consisted of: Brown fine-grained clayey sandy soil, glass fragments, corroded metal, cement, plaster, charcoal like material and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP10/3.0	24-No0019140	Oct 24, 2024	Approximate Sample 417g Sample consisted of: Brown fine-grained clayey sandy soil, glass fragments, corroded metal, cement, plaster, charcoal like material and rocks	ACM: Chrysotile asbestos detected in compressed fiber cement material. Approximate raw weight of ACM = 1.6g Total estimated asbestos content in ACM = 0.16g* Total estimated asbestos concentration in ACM = 0.039% w/w* Synthetic mineral fibre detected. Organic fibre 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	Sydney	Nov 07, 2024	Indefinite

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
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+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1157818
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Nov 6, 2024 4:39 PM
Due: Nov 13, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	TP10/2.0	Oct 24, 2024		Soil	S24-No0019139	X	X
2	TP10/3.0	Oct 24, 2024		Soil	S24-No0019140	X	X
Test Counts						2	2

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 with the colour **blue** indicates data provided by customer that may have an impact on 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/fld	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: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

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 contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of 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 prior to analysis.
DS	Dispersion Staining. 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 that was previously non-friable and in a severely degraded condition. For the purposes of 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 purposes of 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 in accordance with 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. As used for Fibre Identification and Trace 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.
Trace Analysis	An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. 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.
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

Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	18.5°C
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:

Sayeed Abu	Senior Analyst-Asbestos

Authorised by:

Chamath JHM Annakkage	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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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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NSW 2060

Project Name: ADDITIONAL: LORD HOWE ISLAND
Project ID: 30013573A

Order No.:
Report #: 1157818
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Nov 6, 2024 4:39 PM
Due: Nov 13, 2024
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - WA guidelines	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	TP10/2.0	Oct 24, 2024		Soil	S24-No0019139	X	X
2	TP10/3.0	Oct 24, 2024		Soil	S24-No0019140	X	X
Test Counts						2	2

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: STEVEN DRYSDALE
Project name: ADDITIONAL: LORD HOWE ISLAND
Project ID: 30013573A
Turnaround time: 5 Day
Date/Time received Nov 6, 2024 4:39 PM
Eurofins reference 1157818

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 18.5 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	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:

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to STEVEN DRYSDALE - STEVEN.DRYSDALE@SMEC.COM.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

Outlook

RE: Eurofins Test Results - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

From Elvis DSOUZA <elvis.dsouza@smec.com>
Date Wed 06/11/2024 4:39 PM
To Adam Bateup <Adam.Bateup@eurofinsanz.com>; SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>
Cc Steven DRYSDALE <Steven.Drysdale@smec.com>

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.

Thanks Adam.

Can I please run samples Oc0070319 and Oc0070320 for ASBWA and moisture content too?

Cheers,
Elvis Dsouza
Senior Environmental Scientist - Environment
T +61 2 9925 5501 **E** Elvis.Dsouza@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

---

From: AdamBateup@eurofins.com <AdamBateup@eurofins.com>
Sent: Tuesday, 5 November 2024 6:41 PM
To: Steven DRYSDALE <STEVEN.DRYSDALE@SMEC.COM>
Cc: Elvis DSOUZA <elvis.dsouza@smec.com>
Subject: Eurofins Test Results - Report 1153612 : Site LORD HOWE ISLAND (30013573A)

Hey both!

Just wanted to get this draft across to you ahead of the final report - working on confirming an ETA on this now.

Kind regards,
Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: Adam.Bateup@eurofinsanz.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com/environmental-testing
View our latest EnviroNotes

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Steven Drysdale
Client	SMEC AUSTRALIA PTY LTD
Address	CORNER OF KEMBLA AND BEACH STREET WOLLONGONG NSW 2500
Telephone	0403 503 373
Facsimile	(Not specified)
Email	steven.drysdale@smec.com
Project	**Lord Howe Island Critical Infrastructure**
Order Number	**30013573A**
Samples	2

LABORATORY DETAILS

Manager	Shane McDermott
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE273243 R0**
Date Received	29/10/2024
Date Reported	4/11/2024

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

SIGNATORIES



Akheeqar BENIAMEEN
Chemist



Bennet LO
Senior Chemist



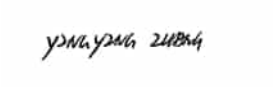
Kamrul AHSAN
Senior Chemist



Shane MCDERMOTT
Laboratory Manager



Teresa NGUYEN
Organic Chemist



Ying Ying ZHANG
Laboratory Technician

VOC's in Soil [AN433] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Benzene	mg/kg	0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
TRH C6-C9	mg/kg	20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
TRH C10-C14	mg/kg	20	<20	<20
TRH C15-C28	mg/kg	45	<45	**46**
TRH C29-C36	mg/kg	45	<45	**60**
TRH C37-C40	mg/kg	100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Naphthalene	mg/kg	0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8

OC Pesticides in Soil [AN420] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	-	-
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	-	-
p,p'-DDE	mg/kg	0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	-	-
o,p'-DDT*	mg/kg	0.1	-	-
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	-	-
Mirex	mg/kg	0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	-	-
Total OC VIC EPA	mg/kg	1	<1	<1

OP Pesticides in Soil [AN420] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Dichlorvos	mg/kg	0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7

PCBs in Soil [AN420] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Arochlor 1016	mg/kg	0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Arsenic, As	mg/kg	1	**4**	**3**
Cadmium, Cd	mg/kg	0.3	<0.3	**0.3**
Chromium, Cr	mg/kg	0.5	**11**	**34**
Copper, Cu	mg/kg	0.5	**12**	**40**
Lead, Pb	mg/kg	1	**5**	**10**
Nickel, Ni	mg/kg	0.5	**25**	**46**
Zinc, Zn	mg/kg	2	**38**	**120**

Mercury in Soil [AN312] Tested: 30/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Mercury	mg/kg	0.05	<0.05	<0.05

Moisture Content [AN002] Tested: 31/10/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
% Moisture	%w/w	1	**10.9**	**18.0**

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples [AN404] Tested: 1/11/2024

PARAMETER	UOM	LOR	QA1A SOIL - 22/10/2024 SE273243.001	QA2A SOIL - 22/10/2024 SE273243.002
Perfluorobutanoic acid (PFBA)	mg/kg	0.005	<0.005	<0.005
Perfluoropentanoic acid (PFPeA)	mg/kg	0.005	<0.005	<0.005
Perfluorohexanoic acid (PFHxA)	mg/kg	0.005	<0.005	<0.005
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005	<0.005
Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005	<0.005
Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005	<0.005
Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005	<0.005
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005	<0.005
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.005	<0.005	<0.005
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.005	<0.005	<0.005
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005	<0.005
Perfluoropropane sulfonic acid (PFPrS)	mg/kg	0.005	<0.005	<0.005
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.005	<0.005	<0.005
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.005	<0.005	<0.005
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.005	<0.005	<0.005
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.005	<0.005	<0.005
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.005	<0.005	<0.005
Perfluorononane sulfonic acid (PFNS)	mg/kg	0.005	<0.005	<0.005
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.005	<0.005	<0.005
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	mg/kg	0.005	<0.005	<0.005
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	mg/kg	0.005	<0.005	<0.005
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	mg/kg	0.005	<0.005	<0.005
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2	mg/kg	0.005	<0.005	<0.005
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.01	<0.01	<0.01
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	mg/kg	0.01	<0.01	<0.01
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	mg/kg	0.01	<0.01	<0.01
N-Methylperfluorooctanesulfonamidoacetic acid	mg/kg	0.01	<0.01	<0.01
N-Ethylperfluorooctanesulfonamidoacetic acid	mg/kg	0.01	<0.01	<0.01
2-(N-Methylperfluorooctane sulfonamido)-ethanol	mg/kg	0.01	<0.01	<0.01
2-(N-Ethylperfluorooctane sulfonamido)-ethanol	mg/kg	0.01	<0.01	<0.01
Sum PFOS and PFHxS	mg/kg	0.005	<0.005	<0.005
Sum of enHealth PFAS (PFHxS+PFOS+PFOA)	mg/kg	0.005	<0.005	<0.005
Sum of US EPA PFAS (PFOS+PFOA)	mg/kg	0.005	<0.005	<0.005
Sum of Positive PFAS	mg/kg	0.005	<0.005	<0.005

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by AAS or ICP as per USEPA Method 200.8.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid , mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser . Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC /MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents .
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken . This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup /fractionation techniques. Reference USEPA 3510B, 8015B.
AN404	This method covers the analysis of per- and polyfluoroalkyl substances (PFAS) in aqueous, solid and biosolid samples and solvent extracts. After spiking with isotopically labelled quantification surrogates and sample extracts are analysed by liquid chromatography /mass spectrometry (LC-MS/MS). PFAS concentrations are determined by isotope dilution quantification. PFOS and PFHXS are determined as the total of linear and branched isomers.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D). Total PAH calculated from individual analyte detections at or above the limit of reporting .
AN420	SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols in soils, sediments and waters are determined by GCMS /ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
***	Indicates that both * and ** apply.	LNR	Sample listed, but not received.		

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

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STATEMENT OF QA/QC PERFORMANCE

SE273243 R0

CLIENT DETAILS

Contact	Steven Drysdale
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Telephone	0403 503 373
Facsimile	(Not specified)
Email	steven.drysdale@smec.com
Project	**Lord Howe Island Critical Infrastructure**
Order Number	**30013573A**
Samples	2

LABORATORY DETAILS

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SGS Reference	**SE273243 R0**
Date Received	29 Oct 2024
Date Reported	04 Nov 2024

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met (within the SGS Alexandria Environmental laboratory).

SAMPLE SUMMARY

Sample counts by matrix	2 Soil	Type of documentation received	COC
Date documentation received	29/10/2024	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	16.5°C
Sample container provider	Other Lab	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

HOLDING TIME SUMMARY

SE273243 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Mercury in Soil — Method: ME-(AU)-[ENV]AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328389	22 Oct 2024	29 Oct 2024	19 Nov 2024	30 Oct 2024	19 Nov 2024	04 Nov 2024
QA2A	SE273243.002	LB328389	22 Oct 2024	29 Oct 2024	19 Nov 2024	30 Oct 2024	19 Nov 2024	04 Nov 2024

Moisture Content — Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328438	22 Oct 2024	29 Oct 2024	05 Nov 2024	31 Oct 2024	05 Nov 2024	01 Nov 2024
QA2A	SE273243.002	LB328438	22 Oct 2024	29 Oct 2024	05 Nov 2024	31 Oct 2024	05 Nov 2024	01 Nov 2024

OC Pesticides in Soil — Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024
QA2A	SE273243.002	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024

OP Pesticides in Soil — Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024
QA2A	SE273243.002	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024

PAH (Polynuclear Aromatic Hydrocarbons) in Soil — Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024
QA2A	SE273243.002	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024

PCBs in Soil — Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024
QA2A	SE273243.002	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	04 Nov 2024

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples — Method: ME-(AU)-[ENV]AN404

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328571	22 Oct 2024	29 Oct 2024	19 Nov 2024	01 Nov 2024	29 Nov 2024	04 Nov 2024
QA2A	SE273243.002	LB328571	22 Oct 2024	29 Oct 2024	19 Nov 2024	01 Nov 2024	29 Nov 2024	04 Nov 2024

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES — Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328388	22 Oct 2024	29 Oct 2024	20 Apr 2025	30 Oct 2024	20 Apr 2025	04 Nov 2024
QA2A	SE273243.002	LB328388	22 Oct 2024	29 Oct 2024	20 Apr 2025	30 Oct 2024	20 Apr 2025	04 Nov 2024

TRH (Total Recoverable Hydrocarbons) in Soil — Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	01 Nov 2024
QA2A	SE273243.002	LB328357	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	09 Dec 2024	01 Nov 2024

VOC's in Soil — Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328377	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	05 Nov 2024	04 Nov 2024
QA2A	SE273243.002	LB328377	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	05 Nov 2024	04 Nov 2024

Volatile Petroleum Hydrocarbons in Soil — Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QA1A	SE273243.001	LB328377	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	05 Nov 2024	04 Nov 2024
QA2A	SE273243.002	LB328377	22 Oct 2024	29 Oct 2024	05 Nov 2024	30 Oct 2024	05 Nov 2024	04 Nov 2024

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	QA1A	SE273243.001	%	60 - 130%	83
	QA2A	SE273243.002	%	60 - 130%	94

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	QA1A	SE273243.001	%	60 - 130%	100
	QA2A	SE273243.002	%	60 - 130%	112
d14-p-terphenyl (Surrogate)	QA1A	SE273243.001	%	60 - 130%	92
	QA2A	SE273243.002	%	60 - 130%	104

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	QA1A	SE273243.001	%	70 - 130%	100
	QA2A	SE273243.002	%	70 - 130%	112
d14-p-terphenyl (Surrogate)	QA1A	SE273243.001	%	70 - 130%	92
	QA2A	SE273243.002	%	70 - 130%	104
d5-nitrobenzene (Surrogate)	QA1A	SE273243.001	%	70 - 130%	74
	QA2A	SE273243.002	%	70 - 130%	84

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
TCMX (Surrogate)	QA1A	SE273243.001	%	60 - 130%	83
	QA2A	SE273243.002	%	60 - 130%	94

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples

Method: ME-(AU)-[ENV]AN404

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
(13C2_PFTeDA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	10 - 150%	112
	QA2A	SE273243.002	%	10 - 150%	108
(13C2-4:2 FTS) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 300%	86
	QA2A	SE273243.002	%	40 - 300%	84
(13C2-6:2 FTS) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 300%	94
	QA2A	SE273243.002	%	40 - 300%	106
(13C2-8:2 FTS) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 300%	90
	QA2A	SE273243.002	%	40 - 300%	91
(13C2-PFDoA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	10 - 150%	117
	QA2A	SE273243.002	%	10 - 150%	110
(13C3-PFBS) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	102
	QA2A	SE273243.002	%	40 - 150%	102
(13C3-PFHxS) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	138
	QA2A	SE273243.002	%	40 - 150%	135
(13C4_PFOA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	95
	QA2A	SE273243.002	%	40 - 150%	89
(13C4-PFBA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	5 - 150%	98
	QA2A	SE273243.002	%	5 - 150%	97
(13C4-PFHpA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	95
	QA2A	SE273243.002	%	40 - 150%	95
(13C5-PFHxA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	96
	QA2A	SE273243.002	%	40 - 150%	98
(13C5-PFPeA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	35 - 150%	101
	QA2A	SE273243.002	%	35 - 150%	103
(13C6-PFDA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	100
	QA2A	SE273243.002	%	40 - 150%	94
(13C7-PFUdA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	30 - 150%	92
	QA2A	SE273243.002	%	30 - 150%	88
(13C8-PFOS) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	91
	QA2A	SE273243.002	%	40 - 150%	108
(13C8-PFOSA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	20 - 150%	92
	QA2A	SE273243.002	%	20 - 150%	102
(13C9-PFNA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	40 - 150%	98
	QA2A	SE273243.002	%	40 - 150%	103
(D3-N-MeFOSA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	10 - 150%	82
	QA2A	SE273243.002	%	10 - 150%	91

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples (continued) — **Method: ME-(AU)-[ENV]AN404**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
(D3-N-MeFOSAA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	30 - 170%	76
	QA2A	SE273243.002	%	30 - 170%	70
(D5-N-EtFOSA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	10 - 150%	85
	QA2A	SE273243.002	%	10 - 150%	95
(D5-N-EtFOSAA) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	20 - 150%	87
	QA2A	SE273243.002	%	20 - 150%	81
(D7-N-MeFOSE) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	10 - 150%	103
	QA2A	SE273243.002	%	10 - 150%	109
(D9-N-EtFOSE) Isotopically Labelled Internal Recovery Standard	QA1A	SE273243.001	%	10 - 150%	103
	QA2A	SE273243.002	%	10 - 150%	110

VOC's in Soil — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	QA1A	SE273243.001	%	60 - 130%	98
	QA2A	SE273243.002	%	60 - 130%	97
d4-1,2-dichloroethane (Surrogate)	QA1A	SE273243.001	%	60 - 130%	97
	QA2A	SE273243.002	%	60 - 130%	94
d8-toluene (Surrogate)	QA1A	SE273243.001	%	60 - 130%	105
	QA2A	SE273243.002	%	60 - 130%	101

Volatile Petroleum Hydrocarbons in Soil — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	QA1A	SE273243.001	%	60 - 130%	98
	QA2A	SE273243.002	%	60 - 130%	97
d4-1,2-dichloroethane (Surrogate)	QA1A	SE273243.001	%	60 - 130%	97
	QA2A	SE273243.002	%	60 - 130%	94
d8-toluene (Surrogate)	QA1A	SE273243.001	%	60 - 130%	105
	QA2A	SE273243.002	%	60 - 130%	101

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result
LB328389.001	Mercury	mg/kg	0.05	<0.05

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB328357.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	93

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB328357.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	116
		d14-p-terphenyl (Surrogate)	%	-	108

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB328357.001	Naphthalene	mg/kg	0.1	<0.1
	2-methylnaphthalene	mg/kg	0.1	<0.1
	1-methylnaphthalene	mg/kg	0.1	<0.1
	Acenaphthylene	mg/kg	0.1	<0.1
	Acenaphthene	mg/kg	0.1	<0.1
	Fluorene	mg/kg	0.1	<0.1
	Phenanthrene	mg/kg	0.1	<0.1
	Anthracene	mg/kg	0.1	<0.1
	Fluoranthene	mg/kg	0.1	<0.1
	Pyrene	mg/kg	0.1	<0.1
	Benzo(a)anthracene	mg/kg	0.1	<0.1
	Chrysene	mg/kg	0.1	<0.1
	Benzo(a)pyrene	mg/kg	0.1	<0.1
	Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB328357.001		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.8
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	100
		2-fluorobiphenyl (Surrogate)	%	-	116
		d14-p-terphenyl (Surrogate)	%	-	108

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB328357.001		Arochlor 1016	mg/kg	0.2	<0.2
		Arochlor 1221	mg/kg	0.2	<0.2
		Arochlor 1232	mg/kg	0.2	<0.2
		Arochlor 1242	mg/kg	0.2	<0.2
		Arochlor 1248	mg/kg	0.2	<0.2
		Arochlor 1254	mg/kg	0.2	<0.2
		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	TCMX (Surrogate)	%	-	93

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples

Method: ME-(AU)-[ENV]AN404

Sample Number	Parameter	Units	LOR	Result
LB328571.001	Perfluorobutanoic acid (PFBA)	mg/kg	0.005	<0.005
	Perfluoropentanoic acid (PFPeA)	mg/kg	0.005	<0.005
	Perfluorohexanoic acid (PFHxA)	mg/kg	0.005	<0.005
	Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005
	Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005
	Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005
	Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005
	Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005
	Perfluorododecanoic acid (PFDoDA)	mg/kg	0.005	<0.005
	Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.005	<0.005
	Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005
	Perfluoropropane sulfonic acid (PFPrS)	mg/kg	0.005	<0.005
	Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.005	<0.005
	Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.005	<0.005
	Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.005	<0.005
	Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.005	<0.005
	Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.005	<0.005
	Perfluorononane sulfonic acid (PFNS)	mg/kg	0.005	<0.005
	Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.005	<0.005
	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	mg/kg	0.005	<0.005
	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	mg/kg	0.005	<0.005
	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	mg/kg	0.005	<0.005
	1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	mg/kg	0.005	<0.005
	Perfluorooctane sulfonamide (FOSA)	mg/kg	0.01	<0.01
	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	mg/kg	0.01	<0.01
	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	mg/kg	0.01	<0.01
	N-Methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	mg/kg	0.01	<0.01
	N-Ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	mg/kg	0.01	<0.01
	2-(N-Methylperfluorooctane sulfonamido)-ethanol (N-MeFOSE)	mg/kg	0.01	<0.01
	2-(N-Ethylperfluorooctane sulfonamido)-ethanol (N-EtFOSE)	mg/kg	0.01	<0.01

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result
LB328388.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued) — Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result
LB328388.001	Zinc, Zn	mg/kg	2	<2.0

TRH (Total Recoverable Hydrocarbons) in Soil — Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB328357.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110

VOC's in Soil — Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB328377.001	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	104
		d8-toluene (Surrogate)	%	-	115
		Bromofluorobenzene (Surrogate)	%	-	102
	Totals	Total BTEX*	mg/kg	0.6	<0.6

Volatile Petroleum Hydrocarbons in Soil — Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB328377.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	104

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328389.024	Mercury	mg/kg	0.05	<0.05	<0.05	200	0
SE273341.005	LB328389.014	Mercury	mg/kg	0.05	<0.05	<0.05	200	0

Moisture Content

Method: ME-(AU)-[ENV]AN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328438.025	% Moisture	%w/w	1	18.0	20.8	35	14
SE273341.004	LB328438.011	% Moisture	%w/w	1	7.3	6.1	45	19
SE273341.014	LB328438.022	% Moisture	%w/w	1	13.2	12.8	38	3

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328357.024		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.14	30	0
SE273341.007	LB328357.026		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.14	30	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328357.024		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.6	0.6	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
SE273341.007	LB328357.026		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.6	0.6	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328357.024		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.4	0.4	30	0
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.6	0.6	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
SE273341.007	LB328357.026		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273341.007	LB328357.026		Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	1
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.6	0.6	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328357.024		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	0
SE273341.007	LB328357.026		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	0

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples

Method: ME-(AU)-[ENV]AN404

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273335.001	LB328571.004	Perfluorobutanoic acid (PFBA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluoropentanoic acid (PFPeA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorohexanoic acid (PFHxA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorododecanoic acid (PFDoDA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluoropropane sulfonic acid (PFPrS)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.005	<0.005	<0.005	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples (continued) — **Method: ME-(AU)-[ENV]AN404**

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273335.001	LB328571.004	Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorononane sulfonic acid (PFNS)	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.005	<0.005	<0.005	200	0
		1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	mg/kg	0.005	<0.005	<0.005	200	0
		1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	mg/kg	0.005	<0.005	<0.005	200	0
		1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	mg/kg	0.005	<0.005	<0.005	200	0
		1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2	mg/kg	0.005	<0.005	<0.005	200	0
		Perfluorooctane sulfonamide (FOSA)	mg/kg	0.01	<0.01	<0.01	200	0
		N-Methylperfluoroctane sulfonamide (N-MeFOSA)	mg/kg	0.01	<0.01	<0.01	200	0
		N-Ethylperfluoroctane sulfonamide (N-EtFOSA)	mg/kg	0.01	<0.01	<0.01	200	0
		N-Methylperfluorooctanesulfonamidoacetic acid	mg/kg	0.01	<0.01	<0.01	200	0
		N-Ethylperfluorooctanesulfonamidoacetic acid	mg/kg	0.01	<0.01	<0.01	200	0
		2-(N-Methylperfluorooctane sulfonamido)-ethanol	mg/kg	0.01	<0.01	<0.01	200	0
		2-(N-Ethylperfluorooctane sulfonamido)-ethanol	mg/kg	0.01	<0.01	<0.01	200	0
		(13C4-PFBA) Isotopically Labelled Internal Recovery	%	-	100	97	200	3
		(13C5-PFPeA) Isotopically Labelled Internal Recovery	%	-	105	102	200	3
		(13C5-PFHxA) Isotopically Labelled Internal Recovery	%	-	96	97	200	0
		(13C4-PFHpA) Isotopically Labelled Internal Recovery	%	-	101	97	200	3
		(13C4_PFOA) Isotopically Labelled Internal Recovery	%	-	90	93	200	4
		(13C9-PFNA) Isotopically Labelled Internal Recovery	%	-	104	99	200	5
		(13C6-PFDA) Isotopically Labelled Internal Recovery	%	-	100	99	200	1
		(13C7-PFUdA) Isotopically Labelled Internal Recovery	%	-	95	92	200	4
		(13C2-PFDoA) Isotopically Labelled Internal Recovery	%	-	104	110	200	5
		(13C2_PFTeDA) Isotopically Labelled Internal Recovery	%	-	101	101	200	1
		(13C3-PFBS) Isotopically Labelled Internal Recovery	%	-	101	103	200	2
		(13C3-PFHxS) Isotopically Labelled Internal Recovery	%	-	145	144	200	1
		(13C8-PFOS) Isotopically Labelled Internal Recovery	%	-	102	101	200	1
		(13C8-PFOSA) Isotopically Labelled Internal Recovery	%	-	108	106	200	2
		(D3-N-MeFOSAA) Isotopically Labelled Internal	%	-	96	100	200	4
		(D5-N-EtFOSAA) Isotopically Labelled Internal Recovery	%	-	108	114	200	5
		(13C2-4:2 FTS) Isotopically Labelled Internal Recovery	%	-	81	86	200	6
		(13C2-6:2 FTS) Isotopically Labelled Internal Recovery	%	-	102	102	200	0
		(13C2-8:2 FTS) Isotopically Labelled Internal Recovery	%	-	121	115	200	5
		(D7-N-MeFOSE) Isotopically Labelled Internal Recovery	%	-	127	121	200	4
		(D9-N-EtFOSE) Isotopically Labelled Internal Recovery	%	-	115	115	200	0
		(D3-N-MeFOSA) Isotopically Labelled Internal Recovery	%	-	95	93	200	2
		(D5-N-EtFOSA) Isotopically Labelled Internal Recovery	%	-	97	94	200	3

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES — **Method: ME-(AU)-[ENV]AN040/AN320**

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328388.024	Arsenic, As	mg/kg	1	3	3	63	2
		Cadmium, Cd	mg/kg	0.3	0.3	0.3	126	1
		Chromium, Cr	mg/kg	0.5	34	36	31	7
		Copper, Cu	mg/kg	0.5	40	41	31	1
		Nickel, Ni	mg/kg	0.5	46	52	31	12
		Lead, Pb	mg/kg	1	10	12	39	13
		Zinc, Zn	mg/kg	2	120	120	32	4
SE273341.005	LB328388.014	Arsenic, As	mg/kg	1	5	5	51	4
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	12	12	34	6
		Copper, Cu	mg/kg	0.5	30	32	32	8
		Nickel, Ni	mg/kg	0.5	17	17	33	3
		Lead, Pb	mg/kg	1	16	17	36	4
		Zinc, Zn	mg/kg	2	66	64	33	3

TRH (Total Recoverable Hydrocarbons) in Soil — **Method: ME-(AU)-[ENV]AN403**

Original	Duplicate	Parameter	Units	LOR

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

TRH (Total Recoverable Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328357.024		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	46	<45	145	1
			TRH C29-C36	mg/kg	45	60	<45	117	28
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	150	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE273341.007	LB328357.026		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328377.024	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
			Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.4	9.2	50	3
			d8-toluene (Surrogate)	mg/kg	-	10.1	9.9	50	2
			Bromofluorobenzene (Surrogate)	mg/kg	-	9.7	10.0	50	3
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE273341.005	LB328377.014	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
			Toluene	mg/kg	0.1	<0.1	<0.1	149	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	0.4	0.4	78	15
			o-xylene	mg/kg	0.1	<0.1	<0.1	147	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	0.1	0.1	104	8
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.3	12.2	50	17
			d8-toluene (Surrogate)	mg/kg	-	11.4	13.2	50	15
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.7	11.9	50	10
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	102	15
			Total Xylenes*	mg/kg	0.3	0.5	0.5	90	14

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE273243.002	LB328377.024		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.4	9.2	50	3
			d8-toluene (Surrogate)	mg/kg	-	10.1	9.9	50	2
			Bromofluorobenzene (Surrogate)	mg/kg	-	9.7	10.0	50	3
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE273341.005	LB328377.014		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.3	12.2	50	17
			d8-toluene (Surrogate)	mg/kg	-	11.4	13.2	50	15
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.7	11.9	50	10
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328389.002	Mercury	mg/kg	0.05	0.18	0.2	80 - 120	89

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328357.002		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	97
		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	85
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	114
		Dieldrin	mg/kg	0.2	0.2	0.2	60 - 140	116
		Endrin	mg/kg	0.2	<0.2	0.2	60 - 140	91
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	89
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.15	40 - 130	94

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328357.002		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	2.1	2	60 - 140	105
		Diazinon (Dimpylate)	mg/kg	0.5	1.9	2	60 - 140	93
		Dichlorvos	mg/kg	0.5	1.5	2	60 - 140	75
		Ethion	mg/kg	0.2	1.9	2	60 - 140	95
	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.6	0.5	70 - 130	115
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	70 - 130	100

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328357.002		Naphthalene	mg/kg	0.1	4.4	4	60 - 140	110
		Acenaphthylene	mg/kg	0.1	4.6	4	60 - 140	115
		Acenaphthene	mg/kg	0.1	4.4	4	60 - 140	111
		Phenanthrene	mg/kg	0.1	4.7	4	60 - 140	117
		Anthracene	mg/kg	0.1	4.4	4	60 - 140	111
		Fluoranthene	mg/kg	0.1	4.3	4	60 - 140	107
		Pyrene	mg/kg	0.1	4.5	4	60 - 140	113
		Benzo(a)pyrene	mg/kg	0.1	5.3	4	60 - 140	131
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.4	0.5	70 - 130	86
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.6	0.5	70 - 130	115
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	70 - 130	100

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328357.002	Arochlor 1260	mg/kg	0.2	0.5	0.4	60 - 140	117

Per- and Polyfluoroalkyl Substances (PFAS) in Solid Samples

Method: ME-(AU)-[ENV]AN404

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328571.002	Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005	0.004	40 - 160	82
	Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005	0.004	40 - 160	86
	Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005	0.004	40 - 160	92
	Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005	0.004	40 - 160	92
	Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005	0.004	40 - 160	87
	Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005	0.004	40 - 160	87
	Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.005	<0.005	0.004	40 - 160	76
	Perfluorooctane sulfonamide (FOSA)	mg/kg	0.01	<0.01	0.004	40 - 160	88

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328388.002	Arsenic, As	mg/kg	1	340	318.22	80 - 120	108
	Cadmium, Cd	mg/kg	0.3	4.4	4.81	70 - 130	91
	Chromium, Cr	mg/kg	0.5	34	38.31	80 - 120	90
	Copper, Cu	mg/kg	0.5	310	290	80 - 120	106
	Nickel, Ni	mg/kg	0.5	180	187	80 - 120	98
	Lead, Pb	mg/kg	1	88	89.9	80 - 120	98
	Zinc, Zn	mg/kg	2	270	273	80 - 120	99

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328357.002		TRH C10-C14	mg/kg	20	49	40	60 - 140	121
		TRH C15-C28	mg/kg	45	<45	40	60 - 140	106
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	80
	TRH F Bands	TRH >C10-C16	mg/kg	25	47	40	60 - 140	117
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	90
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	82

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328377.002	Monocyclic	Benzene	mg/kg	0.1	5.2	5	60 - 140	105
	Aromatic	Toluene	mg/kg	0.1	5.5	5	60 - 140	111
		Ethylbenzene	mg/kg	0.1	5.3	5	60 - 140	105
		m/p-xylene	mg/kg	0.2	10	10	60 - 140	101
		o-xylene	mg/kg	0.1	5.2	5	60 - 140	104

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB328377.002		TRH C6-C10	mg/kg	25	84	92.5	60 - 140	91
		TRH C6-C9	mg/kg	20	75	80	60 - 140	94
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	53	62.5	60 - 140	85

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328389.004	Mercury	mg/kg	0.05	0.21	<0.05	0.2	99

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328357.004		Alpha BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	-	-
			Beta BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	-	-
			Delta BHC	mg/kg	0.1	0.2	<0.1	0.2	115
			Heptachlor	mg/kg	0.1	0.2	<0.1	0.2	108
			Aldrin	mg/kg	0.1	0.2	<0.1	0.2	111
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	-	-
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
			Dieldrin	mg/kg	0.2	0.2	<0.2	0.2	117
			Endrin	mg/kg	0.2	0.2	<0.2	0.2	111
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	-	-
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDT	mg/kg	0.1	0.2	<0.1	0.2	93
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	-	-
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	-	-
			Mirex	mg/kg	0.1	<0.1	<0.1	-	-
			Total OC VIC EPA	mg/kg	1	1	<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.14	-	95

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328357.004		Naphthalene	mg/kg	0.1	4.3	<0.1	4	108
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			Acenaphthylene	mg/kg	0.1	4.5	<0.1	4	111
			Acenaphthene	mg/kg	0.1	4.4	<0.1	4	111
			Fluorene	mg/kg	0.1	<0.1	<0.1	-	-
			Phenanthrene	mg/kg	0.1	4.8	<0.1	4	120
			Anthracene	mg/kg	0.1	4.5	<0.1	4	112
			Fluoranthene	mg/kg	0.1	4.4	<0.1	4	110
			Pyrene	mg/kg	0.1	4.7	<0.1	4	116
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Chrysene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(a)pyrene	mg/kg	0.1	4.7	<0.1	4	116
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	-	-
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(ghi)perylene	mg/kg	0.1	5.7	<0.1	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	4.7	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	4.8	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	4.9	<0.3	-	-
			Total PAH (18)	mg/kg	0.8	42	<0.8	-	-
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	-	98
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.6	0.6	-	117
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	102

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number	Parameter	Units	LOR

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PCBs in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328357.004		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1260	mg/kg	0.2	0.5	<0.2	0.4	113
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	-	-
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	-	-
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	-	95

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328388.004		Arsenic, As	mg/kg	1	54	8	50	91
			Cadmium, Cd	mg/kg	0.3	47	<0.3	50	93
			Chromium, Cr	mg/kg	0.5	55	12	50	85
			Copper, Cu	mg/kg	0.5	67	15	50	104
			Nickel, Ni	mg/kg	0.5	53	7.3	50	91
			Lead, Pb	mg/kg	1	60	16	50	88
			Zinc, Zn	mg/kg	2	92	38	50	108

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328357.004		TRH C10-C14	mg/kg	20	46	<20	40	110
			TRH C15-C28	mg/kg	45	52	<45	40	104
			TRH C29-C36	mg/kg	45	59	<45	40	93
			TRH C37-C40	mg/kg	100	<100	<100	-	-
			TRH C10-C36 Total	mg/kg	110	160	<110	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	-	-
		TRH F	TRH >C10-C16	mg/kg	25	44	<25	40	105
		Bands	TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	44	<25	-	-
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	40	100
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	-	-

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328377.004	Monocyclic	Benzene	mg/kg	0.1	5.8	<0.1	5	116
		Aromatic	Toluene	mg/kg	0.1	6.2	<0.1	5	124
			Ethylbenzene	mg/kg	0.1	5.8	<0.1	5	116
			m/p-xylene	mg/kg	0.2	11	<0.2	10	112
			o-xylene	mg/kg	0.1	5.8	<0.1	5	116
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	11.6	10.1	-	116
			d8-toluene (Surrogate)	mg/kg	-	12.2	11.0	-	122
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10.1	-	103
		Totals	Total BTEX*	mg/kg	0.6	35	<0.6	-	-
			Total Xylenes*	mg/kg	0.3	17	<0.3	-	-

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE273240.001	LB328377.004		TRH C6-C10	mg/kg	25	92	<25	92.5	98
			TRH C6-C9	mg/kg	20	83	<20	80	104
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	11.6	10.1	-	116
			d8-toluene (Surrogate)	mg/kg	-	12.2	11.0	-	122
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10.1	-	103
		VPH F	Benzene (F0)	mg/kg	0.1	5.8	<0.1	-	-
		Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	57	<25	62.5	90

MATRIX SPIKE DUPLICATES

SE273243 R0

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

No matrix spike duplicates were required for this job.

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.

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SAMPLE RECEIPT ADVICE

SE273243

CLIENT DETAILS

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Project	**Lord Howe Island Critical Infrastructure**
Order Number	**30013573A**
Samples	2

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Samples Received	Tue 29/10/2024
Report Due	Tue 5/11/2024
SGS Reference	**SE273243**

SUBMISSION DETAILS

This is to confirm that 2 samples were received on Tuesday 29/10/2024. Results are expected to be ready by COB Tuesday 5/11/2024. Please quote SGS reference SE273243 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Sample counts by matrix	2 Soil	Type of documentation received	COC
Date documentation received	29/10/2024	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	16.5°C
Sample container provider	Other Lab	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

Unless otherwise instructed, water and bulk samples will be held for one month from date of report, and soil samples will be held for two months.

COMMENTS

1 soil sample has been placed on hold as no tests have been assigned for it. This sample will not be processed.

This document is issued by the Company under its General Conditions of Service accessible at www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

SAMPLE RECEIPT ADVICE

SE273243

CLIENT DETAILS

Client SMEC AUSTRALIA PTY LTD

Project Lord Howe Island Critical Infrastructure

SUMMARY OF ANALYSIS

No.	Sample ID	OC Pesticides in Soil	OP Pesticides in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	PCBs in Soil	Total Recoverable Elements in Soil/Waste	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
001	QA1A	30	14	26	11	7	10	11	7
002	QA2A	30	14	26	11	7	10	11	7

CONTINUED OVERLEAF

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

SAMPLE RECEIPT ADVICE

SE273243

CLIENT DETAILS

Client SMEC AUSTRALIA PTY LTD

Project Lord Howe Island Critical Infrastructure

SUMMARY OF ANALYSIS

No.	Sample ID	Mercury in Soil	Moisture Content	Per- and Polyfluoroalkyl Substances (PFAS) in
001	QA1A	1	1	57
002	QA2A	1	1	57

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

SGS EHS Sydney COC

SE273243

smec an ALS company

CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Critical Infrastructure Program - Waste Management Facility			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Ursula Long/ Adam Bateup	
PROJECT No:	30013573A			ADDRESS & PHONE No.:	179 Magowar Road, Girraween, NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	231130SMEN	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT	
SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05607545 & 081-05646885), EIL sample hand delivered to Eurofins Unanderra	
DATE(s) SAMPLED:	22/10/24 - 25/10/24	RELINQUISHED BY:	Elvis Dsouza	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	25/10/24@1630	DATE/TIME:	26/10/2024 @0800			
EMAIL REPORTS TO (default to PM/TL):	steven.drysdale@smec.com, elvis.dsouza@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	steven.drysdale@smec.com	DATE/TIME:	29/10/24 @ 3:10			

SPECIAL LABORATORY INSTRUCTIONS:
Analyse for B6 and SVV on samples where B7 and SVV is selected
Please ensure all samples are analysed within respective holding times.
Note: Short holding times apply to some analytes.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	**B7** TRH, BTEXN, PAH, Metals 8 (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	**B15** OCP, OPP, PCB	**SVV** SVOC, VOC	**B19E** Nutrients #5 TN*, Organic N*, TKN, NOX, NO2, NO3, NH3 (as N), TP(as P), Reactive P	**PFAS Extended Suite** – 30 PFAS (Standard Level)	**Asbestos NEPM and WA Guidelines** (0.001%w/w)	Asbestos p/a	E-Coli & Total Coliforms	**vTRH+BTEXN**	**R21** % Fe, CEC, pH(CaCl2), TOC, % Clay Content	Comment
	QA1	22/10/2024	Soil	J, PFAS, Micro	3	x	x			x						
1	QA1A	22/10/2024	Soil	J, PFAS, Micro	3	x	x			x						Forward to SGS for analysis

smec an ASX company

CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Critical Infrastructure Program - Waste Management Facility			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Ursula Long/ Adam Bateup	
PROJECT No:	30013573A			ADDRESS & PHONE No.:	179 Magowar Road, Girraween, NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	231130SMEN	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403 503 373	TURNAROUND REQUIREMENTS:	Standard TAT	
SAMPLED BY:	Elvis Dsouza	CONTACT PH:	0424 473 612	DESPATCH COURIER (consignment reference):	QANTAS FREIGHT (AWB: 081-05607545 & 081-05646885), EIL sample hand delivered to Eurofins Unanderra	
DATE(s) SAMPLED:	22/10/24 - 25/10/24	RELINQUISHED BY:	Elvis Dsouza	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	25/10/24@1630	DATE/TIME:	26/10/2024 @0800			
EMAIL REPORTS TO (default to PM/TL):	steven.drysdale@smec.com, elvis.dsouza@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	steven.drysdale@smec.com	DATE/TIME:	29/10/24 @ 3:10			

SPECIAL LABORATORY INSTRUCTIONS:
Analyse for B6 and SVV on samples where B7 and SVV is selected
Please ensure all samples are analysed within respective holding times.
Note: Short holding times apply to some analytes.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	**B7** TRH, BTEXN, PAH, Metals 8 (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	**B15** OCP, OPP, PCB	**SVV** SVOC, VOC	**B19E** Nutrients #5 TN*, Organic N*, TKN, NOX, NO2, NO3, NH3 (as N), TP(as P), Reactive P	**PFAS Extended Suite – 30 PFAS** (Standard Level)	**Asbestos NEPM and WA Guidelines** (0.001%w/w)	Asbestos p/a	E-Coli & Total Coliforms	**vTRH+BTEXN**	**R21** % Fe, CEC, pH(CaCl2), TOC, % Clay Content	Comment
	QA2	23/10/2024	Soil	J, PFAS, Micro	3	x	x			x						
2	QA2A	23/10/2024	Soil	J, PFAS, Micro	3	x	x			x						Forward to SGS for analysis
	TS	25/10/2024	Soil	Vial	1									x		
	TB	25/10/2024	Soil	Vial	1									x		
	TP35/0.5	25/10/2024	Soil	J, B, PFAS	3											
	TP34/2.0	25/10/2024	Soil	J, B, PFAS	3											
	TP33/1.5	25/10/2024	Soil	J, B, PFAS	3											
	TP32/1.2	25/10/2024	Soil	J, B, PFAS	3											
	TP32/1.6	25/10/2024	Soil	Micro	1								x			
	TP36/1.0	25/10/2024	Soil	J, B, PFAS	3											
	TP37/0.5	25/10/2024	Soil	J, B, PFAS	3											
	TP37/2.5	25/10/2024	Soil	J, B, PFAS	3											
	QA3	25/10/2024	Soil	J, B, PFAS	3											
	QA3A	25/10/2024	Soil	J, B, PFAS	3											Forward to SGS for analysis
	EIL	25/10/2024	Soil	J	1										x	

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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: **STEVEN DRYSDALE**

Report **1240933-S**
Project name Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID 30013573
Received Date Jul 04, 2025

Client Sample ID			[G01]**BH10_0.1**	**BH10_0.2**	**BH10_0.4**	**BH10_0.7**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S25-JI0015208**	**S25-JI0015209**	**S25-JI0015210**	**S25-JI0015211**
Date Sampled			**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**
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	%	INT	-	INT	71
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	< 0.5	-
Allyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Bromobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromoform	0.5	mg/kg	< 0.5	-	< 0.5	-
Bromomethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chloroethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Chloroform	0.5	mg/kg	< 0.5	-	< 0.5	-
Chloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibromomethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Iodomethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	< 0.5	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Styrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	-
Trichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
Total MAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	INT	-	INT	-
Toluene-d8 (surr.)	1	%	INT	-	INT	-

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
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
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	%	93	-	94	102
p-Terphenyl-d14 (surr.)	1	%	98	-	98	114
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	-	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 10	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	110	-	65	93
Tetrachloro-m-xylene (surr.)	1	%	100	-	103	106

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 5	-	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 5	-	< 2	< 2
Naled	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Omethoate	2	mg/kg	< 5	-	< 2	< 2
Phorate	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	71	-	94	96
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 1	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	110	-	65	93
Tetrachloro-m-xylene (surr.)	1	%	100	-	103	106

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	-	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	-	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	-	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	-	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	-	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	-	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.5	-	< 0.2	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 1	-	< 0.4	< 0.4
Total cresols*	0.5	mg/kg	< 1	-	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 5	-	< 5	< 5
Dinoseb	20	mg/kg	< 20	-	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	131	-	115	92
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	< 1	-
Total PAH*	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	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	< 5	-
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
1-Naphthylamine	0.5	mg/kg	< 1	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.2.3-Trichlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.2.4-Trichlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.3.5-Trichlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Chlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	93	-	94	-
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.5	-	< 0.2	-
2-Naphthylamine	0.5	mg/kg	< 1	-	< 0.5	-
2-Nitroaniline	1	mg/kg	< 1	-	< 1	-

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Nitrophenol	1	mg/kg	< 1	-	< 1	-
2-Picoline	0.5	mg/kg	< 1	-	< 0.5	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	< 5	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	< 1	-
2.4.6-Tribromophenol (surr.)	1	%	INT	-	78	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2.4-Dinitrotoluene	0.2	mg/kg	< 1	-	< 0.2	-
2.6-Dinitrotoluene	1	mg/kg	< 1	-	< 1	-
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	< 1	-	< 1	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 1	-	< 0.4	-
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
3.3'-Dichlorobenzidine	0.5	mg/kg	< 1	-	< 0.5	-
4-Aminobiphenyl	0.5	mg/kg	< 1	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	< 1	-
4-Nitrophenol	5	mg/kg	< 5	-	< 5	-
4.4'-DDD	0.5	mg/kg	< 0.5	-	< 0.5	-
4.4'-DDE	0.5	mg/kg	< 0.5	-	< 0.5	-
4.4'-DDT	1	mg/kg	< 1	-	< 1	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
a-HCH	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acetophenone	0.5	mg/kg	< 1	-	< 0.5	-
Aldrin	0.5	mg/kg	< 0.5	-	< 0.5	-
Aniline	0.5	mg/kg	< 1	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
b-HCH	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	-
Benzyl chloride	0.5	mg/kg	< 1	-	< 0.5	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	< 5	-
Butyl benzyl phthalate	0.5	mg/kg	< 1	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
d-HCH	0.5	mg/kg	< 0.5	-	< 0.5	-
Di-n-butyl phthalate	0.5	mg/kg	< 1	-	< 0.5	-
Di-n-octyl phthalate	0.5	mg/kg	< 1	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenzofuran	0.5	mg/kg	< 1	-	< 0.5	-
Dieldrin	0.5	mg/kg	< 0.5	-	< 0.5	-
Diethyl phthalate	0.5	mg/kg	< 1	-	< 0.5	-
Dimethyl phthalate	0.5	mg/kg	< 1	-	< 0.5	-

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Dimethylaminoazobenzene	0.5	mg/kg	< 1	-	< 0.5	-
Diphenylamine	0.5	mg/kg	< 1	-	< 0.5	-
Endosulfan I	0.5	mg/kg	< 0.5	-	< 0.5	-
Endosulfan II	0.5	mg/kg	< 0.5	-	< 0.5	-
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	< 0.5	-
Endrin	0.5	mg/kg	< 0.5	-	< 0.5	-
Endrin aldehyde	0.5	mg/kg	< 0.5	-	< 0.5	-
Endrin ketone	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	-
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	< 0.5	-
Heptachlor	0.5	mg/kg	< 0.5	-	< 0.5	-
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	< 0.5	-
Hexachlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
Hexachlorobutadiene	0.5	mg/kg	< 1	-	< 0.5	-
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	< 1	-
Hexachloroethane	0.5	mg/kg	< 1	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Methoxychlor	0.5	mg/kg	< 0.5	-	< 0.5	-
N-Nitrosodibutylamine	0.5	mg/kg	< 1	-	< 0.5	-
N-Nitrosodipropylamine	0.5	mg/kg	< 1	-	< 0.5	-
N-Nitrosopiperidine	0.5	mg/kg	< 1	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Nitrobenzene	0.5	mg/kg	< 1	-	< 0.5	-
Nitrobenzene-d5 (surr.)	1	%	62	-	88	-
Pentachlorobenzene	0.5	mg/kg	< 1	-	< 0.5	-
Pentachloronitrobenzene	0.5	mg/kg	< 1	-	< 0.5	-
Pentachlorophenol	1	mg/kg	< 1	-	< 1	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol-d6 (surr.)	1	%	131	-	115	-
Pronamide	0.5	mg/kg	< 1	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Trifluralin	0.5	mg/kg	< 1	-	< 0.5	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 1	-	< 0.5	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 1	-	< 0.5	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 1	-	< 0.5	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 1	-	< 0.5	-
Ammonia (as N)	5	mg/kg	< 5	< 5	-	-
Nitrate & Nitrite (as N)	5	mg/kg	14	17	-	-
Nitrate (as N)	5	mg/kg	14	17	-	-
Nitrite (as N)	5	mg/kg	< 5	< 5	-	-
Organic Nitrogen (as N)*	10	mg/kg	850	840	-	-
Phosphorus reactive (as P)	0.1	mg/kg	1.1	0.4	-	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	850	840	-	-
Total Nitrogen (as N)*	10	mg/kg	860	860	-	-
% Clay	2.5	%	-	-	-	< 2.5

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	110
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	-	-	-	8.6
Total Organic Carbon	0.1	%	-	-	-	0.3
Heavy Metals						
Phosphorus	10	mg/kg	860	370	-	-
Iron (%)	0.01	%	-	-	-	3.1
Heavy Metals						
Arsenic	2	mg/kg	5.8	-	18	6.4
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
Chromium	5	mg/kg	12	-	19	49
Copper	5	mg/kg	15	-	47	< 5
Iron	20	mg/kg	-	-	-	31000
Lead	5	mg/kg	18	-	19	< 5
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	15	-	22	300
Zinc	5	mg/kg	140	-	84	29
Sample Properties						
% Moisture	1	%	12	11	10	7.3
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	< 5	< 5
13C4-PFBA (surr.)	1	%	111	-	101	101
13C5-PFPeA (surr.)	1	%	132	-	128	128
13C5-PFHxA (surr.)	1	%	131	-	123	126
13C4-PFHpA (surr.)	1	%	122	-	129	115
13C8-PFOA (surr.)	1	%	124	-	126	105
13C5-PFNA (surr.)	1	%	107	-	108	103
13C6-PFDA (surr.)	1	%	118	-	106	111
13C2-PFUnDA (surr.)	1	%	120	-	107	114
13C2-PFDoDA (surr.)	1	%	133	-	137	140
13C2-PFTeDA (surr.)	1	%	147	-	156	146
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	< 5	< 5

Client Sample ID			[G01]BH10_0.1	BH10_0.2	BH10_0.4	BH10_0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015208	S25-JI0015209	S25-JI0015210	S25-JI0015211
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	< 10	< 10
13C8-FOSA (surr.)	1	%	129	-	114	111
D3-N-MeFOSA (surr.)	1	%	108	-	106	100
D5-N-EtFOSA (surr.)	1	%	99	-	100	100
D7-N-MeFOSE (surr.)	1	%	99	-	99	116
D9-N-EtFOSE (surr.)	1	%	100	-	91	91
D5-N-EtFOSAA (surr.)	1	%	139	-	136	114
D3-N-MeFOSAA (surr.)	1	%	102	-	98	87
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	[N09]20	-	[N09]11	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	< 5	< 5
13C3-PFBS (surr.)	1	%	156	-	137	140
18O2-PFHxS (surr.)	1	%	145	-	143	124
13C8-PFOS (surr.)	1	%	141	-	113	112
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	114	-	77	90
13C2-6:2 FTSA (surr.)	1	%	151	-	102	128
13C2-8:2 FTSA (surr.)	1	%	115	-	87	114
13C2-10:2 FTSA (surr.)	1	%	164	-	186	158
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	20	-	11	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	20	-	11	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	20	-	11	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	20	-	11	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	< 50	< 50
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	-	-	-	24
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	-	-	-	7.5
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	-	-	-	9.5
Reaction Ratings*[S05]	0	comment	-	-	-	2.0

Client Sample ID			BH10_1.5	BH10_2.0	BH10_2.5	BH10_3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015212	S25-JI0015213	S25-JI0015214	S25-JI0015215
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	7.5	7.8	7.7	7.9
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	9.4	9.1	9.0	9.4
Reaction Ratings*[S05]	0	comment	1.0	1.0	1.0	1.0

Client Sample ID			BH10_4.0	BH10_5.0	BH10_6.0	[G01]BH09_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015216	S25-JI0015217	S25-JI0015218	S25-JI0015219
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
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	%	-	-	-	102
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
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

Client Sample ID			BH10_4.0	BH10_5.0	BH10_6.0	[G01]BH09_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015216	S25-JI0015217	S25-JI0015218	S25-JI0015219
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	-	112
p-Terphenyl-d14 (surr.)	1	%	-	-	-	126
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	-	< 1
4.4'-DDD	0.05	mg/kg	-	-	-	< 0.5
4.4'-DDE	0.05	mg/kg	-	-	-	< 0.5
4.4'-DDT	0.05	mg/kg	-	-	-	< 0.5
a-HCH	0.05	mg/kg	-	-	-	< 0.5
Aldrin	0.05	mg/kg	-	-	-	< 0.5
b-HCH	0.05	mg/kg	-	-	-	< 0.5
d-HCH	0.05	mg/kg	-	-	-	< 0.5
Dieldrin	0.05	mg/kg	-	-	-	< 0.5
Endosulfan I	0.05	mg/kg	-	-	-	< 0.5
Endosulfan II	0.05	mg/kg	-	-	-	< 0.5
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.5
Endrin	0.05	mg/kg	-	-	-	< 0.5
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.5
Endrin ketone	0.05	mg/kg	-	-	-	< 0.5
g-HCH (Lindane)	0.05	mg/kg	-	-	-	< 0.5
Heptachlor	0.05	mg/kg	-	-	-	< 0.5
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.5
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.5
Methoxychlor	0.05	mg/kg	-	-	-	< 0.5
Toxaphene	0.5	mg/kg	-	-	-	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	-	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	119
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	78
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	-	< 0.5
Bolstar	0.2	mg/kg	-	-	-	< 0.5
Chlorfenvinphos	0.2	mg/kg	-	-	-	< 0.5
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	-	-	-	< 0.5
Coumaphos	2	mg/kg	-	-	-	< 5
Demeton-S	0.2	mg/kg	-	-	-	< 0.5
Demeton-O	0.2	mg/kg	-	-	-	< 0.5
Diazinon	0.2	mg/kg	-	-	-	< 0.5
Dichlorvos	0.2	mg/kg	-	-	-	< 0.5
Dimethoate	0.2	mg/kg	-	-	-	< 0.5
Disulfoton	0.2	mg/kg	-	-	-	< 0.5
EPN	0.2	mg/kg	-	-	-	< 0.5
Ethion	0.2	mg/kg	-	-	-	< 0.5

Client Sample ID			BH10_4.0	BH10_5.0	BH10_6.0	[G01]BH09_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015216	S25-JI0015217	S25-JI0015218	S25-JI0015219
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethoprop	0.2	mg/kg	-	-	-	< 0.5
Ethyl parathion	0.2	mg/kg	-	-	-	< 0.5
Fenitrothion	0.2	mg/kg	-	-	-	< 0.5
Fensulfothion	0.2	mg/kg	-	-	-	< 0.5
Fenthion	0.2	mg/kg	-	-	-	< 0.5
Malathion	0.2	mg/kg	-	-	-	< 0.5
Merphos	0.2	mg/kg	-	-	-	< 0.5
Methyl parathion	0.2	mg/kg	-	-	-	< 0.5
Mevinphos	0.2	mg/kg	-	-	-	< 0.5
Monocrotophos	2	mg/kg	-	-	-	< 5
Naled	0.2	mg/kg	-	-	-	< 0.5
Omethoate	2	mg/kg	-	-	-	< 5
Phorate	0.2	mg/kg	-	-	-	< 0.5
Pirimiphos-methyl	0.2	mg/kg	-	-	-	< 0.5
Pyrazophos	0.2	mg/kg	-	-	-	< 0.5
Ronnel	0.2	mg/kg	-	-	-	< 0.5
Terbufos	0.2	mg/kg	-	-	-	< 0.5
Tetrachlorvinphos	0.2	mg/kg	-	-	-	< 0.5
Tokuthion	0.2	mg/kg	-	-	-	< 0.5
Trichloronate	0.2	mg/kg	-	-	-	< 0.5
Triphenylphosphate (surr.)	1	%	-	-	-	INT
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 1
Aroclor-1221	0.1	mg/kg	-	-	-	< 1
Aroclor-1232	0.1	mg/kg	-	-	-	< 1
Aroclor-1242	0.1	mg/kg	-	-	-	< 1
Aroclor-1248	0.1	mg/kg	-	-	-	< 1
Aroclor-1254	0.1	mg/kg	-	-	-	< 1
Aroclor-1260	0.1	mg/kg	-	-	-	< 1
Total PCB*	0.1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	119
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	78
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	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

Client Sample ID			BH10_4.0	BH10_5.0	BH10_6.0	[G01]BH09_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015216	S25-JI0015217	S25-JI0015218	S25-JI0015219
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
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	%	-	-	-	87
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	4.9
Cadmium	0.4	mg/kg	-	-	-	< 0.4
Chromium	5	mg/kg	-	-	-	12
Copper	5	mg/kg	-	-	-	25
Lead	5	mg/kg	-	-	-	13
Mercury	0.1	mg/kg	-	-	-	< 0.1
Nickel	5	mg/kg	-	-	-	14
Zinc	5	mg/kg	-	-	-	120
Sample Properties						
% Moisture	1	%	-	-	-	11
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	-	< 5
13C4-PFBA (surr.)	1	%	-	-	-	99
13C5-PFPeA (surr.)	1	%	-	-	-	124
13C5-PFHxA (surr.)	1	%	-	-	-	132
13C4-PFHpA (surr.)	1	%	-	-	-	116
13C8-PFOA (surr.)	1	%	-	-	-	122
13C5-PFNA (surr.)	1	%	-	-	-	107
13C6-PFDA (surr.)	1	%	-	-	-	106
13C2-PFUnDA (surr.)	1	%	-	-	-	123
13C2-PFDoDA (surr.)	1	%	-	-	-	141
13C2-PFTeDA (surr.)	1	%	-	-	-	148
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	-	< 5

Client Sample ID			BH10_4.0	BH10_5.0	BH10_6.0	[G01]BH09_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015216	S25-JI0015217	S25-JI0015218	S25-JI0015219
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	-	< 10
13C8-FOSA (surr.)	1	%	-	-	-	116
D3-N-MeFOSA (surr.)	1	%	-	-	-	98
D5-N-EtFOSA (surr.)	1	%	-	-	-	107
D7-N-MeFOSE (surr.)	1	%	-	-	-	112
D9-N-EtFOSE (surr.)	1	%	-	-	-	88
D5-N-EtFOSAA (surr.)	1	%	-	-	-	121
D3-N-MeFOSAA (surr.)	1	%	-	-	-	95
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	-	< 5
13C3-PFBS (surr.)	1	%	-	-	-	142
18O2-PFHxS (surr.)	1	%	-	-	-	125
13C8-PFOS (surr.)	1	%	-	-	-	145
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	-	80
13C2-6:2 FTSA (surr.)	1	%	-	-	-	93
13C2-8:2 FTSA (surr.)	1	%	-	-	-	87
13C2-10:2 FTSA (surr.)	1	%	-	-	-	185
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	-	< 50
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	7.7	7.8	7.8	-
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	9.4	9.5	9.5	-
Reaction Ratings*[S05]	0	comment	1.0	1.0	1.0	-
Pathogens						
E.coli (MPN)*	1	MPN/g	-	-	-	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	-	-	-	SEE ATTACHED

Client Sample ID			BH09_0.5	BH09_1.0	BH09_2.0	BH08_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015220	S25-JI0015221	S25-JI0015222	S25-JI0015223
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	60	< 20	< 20	-
TRH C15-C28	50	mg/kg	240	< 50	< 50	-
TRH C29-C36	50	mg/kg	250	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	550	< 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	120	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	120	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH >C16-C34	100	mg/kg	360	< 100	< 100	-
TRH >C34-C40	100	mg/kg	280	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	760	< 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	%	62	84	58	-
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	-
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	%	148	71	132	-
p-Terphenyl-d14 (surr.)	1	%	125	75	139	-
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	-

Client Sample ID			BH09_0.5	BH09_1.0	BH09_2.0	BH08_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015220	S25-JI0015221	S25-JI0015222	S25-JI0015223
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
d-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	-
g-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	-
Dibutylchlorendate (surr.)	1	%	87	55	126	-
Tetrachloro-m-xylene (surr.)	1	%	111	79	107	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	< 2	< 2	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	< 2	< 2	< 2	-
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-

Client Sample ID			BH09_0.5	BH09_1.0	BH09_2.0	BH08_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015220	S25-JI0015221	S25-JI0015222	S25-JI0015223
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Omethoate	2	mg/kg	< 2	< 2	< 2	-
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	78	72	129	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	87	55	126	-
Tetrachloro-m-xylene (surr.)	1	%	111	79	107	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	-
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	-
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	-
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	-
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	-
Dinoseb	20	mg/kg	< 20	< 20	< 20	-
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenol-d6 (surr.)	1	%	INT	92	128	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	-

Client Sample ID			BH09_0.5	BH09_1.0	BH09_2.0	BH08_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015220	S25-JI0015221	S25-JI0015222	S25-JI0015223
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Ammonia (as N)	5	mg/kg	-	-	-	< 5
Nitrate & Nitrite (as N)	5	mg/kg	-	-	-	< 5
Nitrate (as N)	5	mg/kg	-	-	-	< 5
Nitrite (as N)	5	mg/kg	-	-	-	< 5
Organic Nitrogen (as N)*	10	mg/kg	-	-	-	240
Phosphorus reactive (as P)	0.1	mg/kg	-	-	-	0.4
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	-	240
Total Nitrogen (as N)*	10	mg/kg	-	-	-	240
Heavy Metals						
Phosphorus	10	mg/kg	-	-	-	480
Heavy Metals						
Arsenic	2	mg/kg	3.5	4.2	4.9	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Chromium	5	mg/kg	19	25	9.8	-
Copper	5	mg/kg	16	9.5	< 5	-
Lead	5	mg/kg	7.0	< 5	< 5	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Nickel	5	mg/kg	43	60	9.9	-
Zinc	5	mg/kg	47	19	< 5	-
Sample Properties						
% Moisture	1	%	14	8.4	8.1	7.4
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	-
13C4-PFBA (surr.)	1	%	97	108	103	-
13C5-PFPeA (surr.)	1	%	132	121	116	-
13C5-PFHxA (surr.)	1	%	124	118	134	-
13C4-PFHpA (surr.)	1	%	115	108	120	-
13C8-PFOA (surr.)	1	%	125	111	132	-
13C5-PFNA (surr.)	1	%	98	116	115	-
13C6-PFDA (surr.)	1	%	102	106	100	-
13C2-PFUnDA (surr.)	1	%	119	126	129	-
13C2-PFDoDA (surr.)	1	%	157	153	129	-
13C2-PFTeDA (surr.)	1	%	166	121	129	-

Client Sample ID			BH09_0.5	BH09_1.0	BH09_2.0	BH08_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015220	S25-JI0015221	S25-JI0015222	S25-JI0015223
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	-
13C8-FOSA (surr.)	1	%	109	108	121	-
D3-N-MeFOSA (surr.)	1	%	93	107	91	-
D5-N-EtFOSA (surr.)	1	%	114	127	106	-
D7-N-MeFOSE (surr.)	1	%	82	107	117	-
D9-N-EtFOSE (surr.)	1	%	73	74	78	-
D5-N-EtFOSAA (surr.)	1	%	108	124	118	-
D3-N-MeFOSAA (surr.)	1	%	89	94	96	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	-
13C3-PFBS (surr.)	1	%	112	126	148	-
18O2-PFHxS (surr.)	1	%	136	124	120	-
13C8-PFOS (surr.)	1	%	141	135	130	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	-
13C2-4:2 FTSA (surr.)	1	%	81	102	70	-
13C2-6:2 FTSA (surr.)	1	%	95	95	83	-
13C2-8:2 FTSA (surr.)	1	%	120	116	123	-
13C2-10:2 FTSA (surr.)	1	%	INT	178	155	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	< 50	-

Client Sample ID			BH09_0.5	BH09_1.0	BH09_2.0	BH08_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015220	S25-JI0015221	S25-JI0015222	S25-JI0015223
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Pathogens						
E.coli (MPN)*	1	MPN/g	-	-	-	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	-	-	-	SEE ATTACHED

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	65	50	84	71
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	-	-
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromoform	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroform	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Styrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	65	50	-	-
Toluene-d8 (surr.)	1	%	55	INT	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	108	105	137	103
p-Terphenyl-d14 (surr.)	1	%	123	125	139	122
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	103	100	112	INT
Tetrachloro-m-xylene (surr.)	1	%	121	120	108	95

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 5
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	< 2	< 2	< 2	< 5
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	134	132	136	126
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	103	100	112	INT
Tetrachloro-m-xylene (surr.)	1	%	121	120	108	95

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
Dinoseb	20	mg/kg	< 20	< 20	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	137	138	116	101
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	< 1	-	-
Total PAH*	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	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	-	-
1-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
1-Naphthylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	108	105	-	-
2-Methylnaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	-
2-Naphthylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Nitroaniline	1	mg/kg	< 1	< 1	-	-

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Nitrophenol	1	mg/kg	< 1	< 1	-	-
2-Picoline	0.5	mg/kg	< 0.5	< 0.5	-	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.4.6-Tribromophenol (surr.)	1	%	130	126	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dinitrotoluene	0.2	mg/kg	< 0.2	< 0.2	-	-
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	-	-
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	< 1	< 1	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	-	-
3-Methylcholanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Aminobiphenyl	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	-	-
4-Nitrophenol	5	mg/kg	< 5	< 5	-	-
4.4'-DDD	0.5	mg/kg	< 0.5	< 0.5	-	-
4.4'-DDE	0.5	mg/kg	< 0.5	< 0.5	-	-
4.4'-DDT	1	mg/kg	< 1	< 1	-	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
a-HCH	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acetophenone	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin	0.5	mg/kg	< 0.5	< 0.5	-	-
Aniline	0.5	mg/kg	< 0.5	< 0.5	-	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
b-HCH	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	-	-
Benzyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	< 5	-	-
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	-
d-HCH	0.5	mg/kg	< 0.5	< 0.5	-	-
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenzofuran	0.5	mg/kg	< 0.5	< 0.5	-	-
Dieldrin	0.5	mg/kg	< 0.5	< 0.5	-	-
Diethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-
Dimethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Diphenylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
Endosulfan I	0.5	mg/kg	< 0.5	< 0.5	-	-
Endosulfan II	0.5	mg/kg	< 0.5	< 0.5	-	-
Endosulfan sulphate	0.5	mg/kg	< 0.5	< 0.5	-	-
Endrin	0.5	mg/kg	< 0.5	< 0.5	-	-
Endrin aldehyde	0.5	mg/kg	< 0.5	< 0.5	-	-
Endrin ketone	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	-	-
g-HCH (Lindane)	0.5	mg/kg	< 0.5	< 0.5	-	-
Heptachlor	0.5	mg/kg	< 0.5	< 0.5	-	-
Heptachlor epoxide	0.5	mg/kg	< 0.5	< 0.5	-	-
Hexachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Hexachlorobutadiene	0.5	mg/kg	< 0.5	< 0.5	-	-
Hexachlorocyclopentadiene	1	mg/kg	< 1	< 1	-	-
Hexachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Methoxychlor	0.5	mg/kg	< 0.5	< 0.5	-	-
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	< 0.5	-	-
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	< 0.5	-	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
Nitrobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Nitrobenzene-d5 (surr.)	1	%	127	123	-	-
Pentachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pentachlorophenol	1	mg/kg	< 1	< 1	-	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenol	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenol-d6 (surr.)	1	%	137	138	-	-
Pronamide	0.5	mg/kg	< 0.5	< 0.5	-	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trifluralin	0.5	mg/kg	< 0.5	< 0.5	-	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	-	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	< 0.5	-	-
Ammonia (as N)	5	mg/kg	< 5	-	-	< 5
Nitrate & Nitrite (as N)	5	mg/kg	24	-	-	< 5
Nitrate (as N)	5	mg/kg	24	-	-	< 5
Nitrite (as N)	5	mg/kg	< 5	-	-	< 5
Organic Nitrogen (as N)*	10	mg/kg	320	-	-	930
Phosphorus reactive (as P)	0.1	mg/kg	0.3	-	-	0.5
Total Kjeldahl Nitrogen (as N)	10	mg/kg	320	-	-	930
Total Nitrogen (as N)*	10	mg/kg	340	-	-	930
Heavy Metals						
Phosphorus	10	mg/kg	610	-	-	810

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.3	5.5	5.0	7.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	85	94	21
Copper	5	mg/kg	< 5	< 5	< 5	18
Lead	5	mg/kg	7.1	< 5	< 5	7.7
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	24	580	690	26
Zinc	5	mg/kg	44	52	60	81
Sample Properties						
% Moisture	1	%	8.5	7.9	14	11
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	110	109	105	110
13C5-PFPeA (surr.)	1	%	121	109	110	114
13C5-PFHxA (surr.)	1	%	107	128	119	124
13C4-PFHpA (surr.)	1	%	112	111	117	116
13C8-PFOA (surr.)	1	%	97	99	105	119
13C5-PFNA (surr.)	1	%	101	115	110	118
13C6-PFDA (surr.)	1	%	108	108	115	100
13C2-PFUnDA (surr.)	1	%	129	114	109	120
13C2-PFDoDA (surr.)	1	%	132	146	133	137
13C2-PFTeDA (surr.)	1	%	138	130	103	110
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	112	104	105	106
D3-N-MeFOSA (surr.)	1	%	108	116	95	88
D5-N-EtFOSA (surr.)	1	%	117	110	112	113
D7-N-MeFOSE (surr.)	1	%	112	108	106	89
D9-N-EtFOSE (surr.)	1	%	89	91	90	104
D5-N-EtFOSAA (surr.)	1	%	138	160	140	123
D3-N-MeFOSAA (surr.)	1	%	104	103	113	111

Client Sample ID			BH08_0.4	BH08_0.9	BH08_2.0	[G01]BH07_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015224	S25-JI0015225	S25-JI0015226	S25-JI0015227
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	[N09]19
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	< 5	[N09]120
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	136	121	128	134
18O2-PFHxS (surr.)	1	%	136	123	136	128
13C8-PFOS (surr.)	1	%	116	133	138	120
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	70	83	85	89
13C2-6:2 FTSA (surr.)	1	%	138	94	82	141
13C2-8:2 FTSA (surr.)	1	%	108	71	137	125
13C2-10:2 FTSA (surr.)	1	%	146	168	165	154
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	139
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	139
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	120
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	< 10	139
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	< 50	139
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	-	-	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	-	-	SEE ATTACHED

Client Sample ID			BH07_0.5	BH07_1.0	BH07_2.0	BH07_3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015228	S25-JI0015229	S25-JI0015230	S25-JI0015231
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
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	-	-

Client Sample ID			BH07_0.5	BH07_1.0	BH07_2.0	BH07_3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015228	S25-JI0015229	S25-JI0015230	S25-JI0015231
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	75	73	-	-
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	%	126	123	-	-
p-Terphenyl-d14 (surr.)	1	%	145	128	-	-
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	-	-

Client Sample ID			BH07_0.5	BH07_1.0	BH07_2.0	BH07_3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015228	S25-JI0015229	S25-JI0015230	S25-JI0015231
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	-	-
Dibutylchlorendate (surr.)	1	%	143	132	-	-
Tetrachloro-m-xylene (surr.)	1	%	119	113	-	-
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	-	-
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	-	-

Client Sample ID			BH07_0.5	BH07_1.0	BH07_2.0	BH07_3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015228	S25-JI0015229	S25-JI0015230	S25-JI0015231
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	133	122	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	143	132	-	-
Tetrachloro-m-xylene (surr.)	1	%	119	113	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	-	-
Pentachlorophenol	1	mg/kg	< 1	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	-	-
2-Nitrophenol	1	mg/kg	< 1	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	-	-
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Nitrophenol	5	mg/kg	< 5	< 5	-	-
Dinoseb	20	mg/kg	< 20	< 20	-	-
Phenol	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenol-d6 (surr.)	1	%	132	119	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	-	-
Heavy Metals						
Arsenic	2	mg/kg	4.3	4.9	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	17	15	-	-
Copper	5	mg/kg	< 5	< 5	-	-
Lead	5	mg/kg	< 5	< 5	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	36	44	-	-
Zinc	5	mg/kg	10	8.0	-	-
Sample Properties						
% Moisture	1	%	14	11	-	24

Client Sample ID			BH07_0.5	BH07_1.0	BH07_2.0	BH07_3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015228	S25-JI0015229	S25-JI0015230	S25-JI0015231
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	-	-
13C4-PFBA (surr.)	1	%	104	105	-	-
13C5-PFPeA (surr.)	1	%	126	114	-	-
13C5-PFHxA (surr.)	1	%	119	131	-	-
13C4-PFHpA (surr.)	1	%	106	104	-	-
13C8-PFOA (surr.)	1	%	108	109	-	-
13C5-PFNA (surr.)	1	%	99	116	-	-
13C6-PFDA (surr.)	1	%	108	99	-	-
13C2-PFUnDA (surr.)	1	%	129	119	-	-
13C2-PFDoDA (surr.)	1	%	142	144	-	-
13C2-PFTeDA (surr.)	1	%	111	118	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
13C8-FOSA (surr.)	1	%	103	115	-	-
D3-N-MeFOSA (surr.)	1	%	104	104	-	-
D5-N-EtFOSA (surr.)	1	%	114	130	-	-
D7-N-MeFOSE (surr.)	1	%	102	112	-	-
D9-N-EtFOSE (surr.)	1	%	87	73	-	-
D5-N-EtFOSAA (surr.)	1	%	137	134	-	-
D3-N-MeFOSAA (surr.)	1	%	81	98	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	[N09]11	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	[N09]140	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	-	-
13C3-PFBS (surr.)	1	%	143	132	-	-

Client Sample ID			BH07_0.5	BH07_1.0	BH07_2.0	BH07_3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015228	S25-JI0015229	S25-JI0015230	S25-JI0015231
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
18O2-PFHxS (surr.)	1	%	122	114	-	-
13C8-PFOS (surr.)	1	%	146	112	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	109	70	-	-
13C2-6:2 FTSA (surr.)	1	%	108	122	-	-
13C2-8:2 FTSA (surr.)	1	%	85	74	-	-
13C2-10:2 FTSA (surr.)	1	%	173	157	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	151	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	151	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	140	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	151	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	151	< 50	-	-
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	7.6	7.6	7.7	7.7
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	9.3	9.2	9.5	9.4
Reaction Ratings*[S05]	0	comment	2.0	2.0	1.0	1.0

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
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

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
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	%	-	-	66	76
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	66	-
Toluene-d8 (surr.)	1	%	-	-	53	-
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	%	-	-	101	128
p-Terphenyl-d14 (surr.)	1	%	-	-	105	125
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

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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
Dibutylchlorendate (surr.)	1	%	-	-	78	126
Tetrachloro-m-xylene (surr.)	1	%	-	-	110	120
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
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

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	-	-	99	118
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	78	126
Tetrachloro-m-xylene (surr.)	1	%	-	-	110	120
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	< 1
Pentachlorophenol	1	mg/kg	-	-	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	< 5
2-Nitrophenol	1	mg/kg	-	-	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	< 0.4
Total cresols*	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	-	-	< 5	< 5
Dinoseb	20	mg/kg	-	-	< 20	< 20
Phenol	0.5	mg/kg	-	-	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	-	-	130	121
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 1	-
Total PAH*	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	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
1-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	-
1-Naphthylamine	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	-
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	-	101	-
2-Methylnaphthalene	0.5	mg/kg	-	-	< 0.5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
2-Naphthylamine	0.5	mg/kg	-	-	< 0.5	-
2-Nitroaniline	1	mg/kg	-	-	< 1	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2-Picoline	0.5	mg/kg	-	-	< 0.5	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Tribromophenol (surr.)	1	%	-	-	52	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrotoluene	0.2	mg/kg	-	-	< 0.2	-
2.6-Dinitrotoluene	1	mg/kg	-	-	< 1	-
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	-	-	< 1	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
3-Methylcholanthrene	0.5	mg/kg	-	-	< 0.5	-
3.3'-Dichlorobenzidine	0.5	mg/kg	-	-	< 0.5	-
4-Aminobiphenyl	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
4.4'-DDD	0.5	mg/kg	-	-	< 0.5	-
4.4'-DDE	0.5	mg/kg	-	-	< 0.5	-
4.4'-DDT	1	mg/kg	-	-	< 1	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
a-HCH	0.5	mg/kg	-	-	< 0.5	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Acetophenone	0.5	mg/kg	-	-	< 0.5	-
Aldrin	0.5	mg/kg	-	-	< 0.5	-
Aniline	0.5	mg/kg	-	-	< 0.5	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
b-HCH	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
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	-
Benzyl chloride	0.5	mg/kg	-	-	< 0.5	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	-	< 5	-
Butyl benzyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
d-HCH	0.5	mg/kg	-	-	< 0.5	-
Di-n-butyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Di-n-octyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.j)acridine	0.5	mg/kg	-	-	< 0.5	-
Dibenzofuran	0.5	mg/kg	-	-	< 0.5	-
Dieldrin	0.5	mg/kg	-	-	< 0.5	-
Diethyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Dimethyl phthalate	0.5	mg/kg	-	-	< 0.5	-
Dimethylaminoazobenzene	0.5	mg/kg	-	-	< 0.5	-
Diphenylamine	0.5	mg/kg	-	-	< 0.5	-
Endosulfan I	0.5	mg/kg	-	-	< 0.5	-
Endosulfan II	0.5	mg/kg	-	-	< 0.5	-
Endosulfan sulphate	0.5	mg/kg	-	-	< 0.5	-
Endrin	0.5	mg/kg	-	-	< 0.5	-
Endrin aldehyde	0.5	mg/kg	-	-	< 0.5	-
Endrin ketone	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-
g-HCH (Lindane)	0.5	mg/kg	-	-	< 0.5	-
Heptachlor	0.5	mg/kg	-	-	< 0.5	-
Heptachlor epoxide	0.5	mg/kg	-	-	< 0.5	-
Hexachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Hexachlorobutadiene	0.5	mg/kg	-	-	< 0.5	-
Hexachlorocyclopentadiene	1	mg/kg	-	-	< 1	-
Hexachloroethane	0.5	mg/kg	-	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Methoxychlor	0.5	mg/kg	-	-	< 0.5	-
N-Nitrosodibutylamine	0.5	mg/kg	-	-	< 0.5	-
N-Nitrosodipropylamine	0.5	mg/kg	-	-	< 0.5	-
N-Nitrosopiperidine	0.5	mg/kg	-	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Nitrobenzene	0.5	mg/kg	-	-	< 0.5	-
Nitrobenzene-d5 (surr.)	1	%	-	-	105	-
Pentachlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Pentachloronitrobenzene	0.5	mg/kg	-	-	< 0.5	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Phenanthrene	0.5	mg/kg	-	-	< 0.5	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	130	-

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Pronamide	0.5	mg/kg	-	-	< 0.5	-
Pyrene	0.5	mg/kg	-	-	< 0.5	-
Trifluralin	0.5	mg/kg	-	-	< 0.5	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	-	< 0.5	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	-	< 0.5	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	-	< 0.5	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	-	< 0.5	-
Ammonia (as N)	5	mg/kg	-	-	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	-	-	< 5	-
Nitrate (as N)	5	mg/kg	-	-	< 5	-
Nitrite (as N)	5	mg/kg	-	-	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	-	-	2200	-
Phosphorus reactive (as P)	0.1	mg/kg	-	-	0.4	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	2200	-
Total Nitrogen (as N)*	10	mg/kg	-	-	2200	-
Heavy Metals						
Phosphorus	10	mg/kg	-	-	690	-
Heavy Metals						
Arsenic	2	mg/kg	-	-	< 2	4.8
Cadmium	0.4	mg/kg	-	-	< 0.4	< 0.4
Chromium	5	mg/kg	-	-	< 5	14
Copper	5	mg/kg	-	-	12	< 5
Lead	5	mg/kg	-	-	< 5	< 5
Mercury	0.1	mg/kg	-	-	< 0.1	< 0.1
Nickel	5	mg/kg	-	-	5.8	27
Zinc	5	mg/kg	-	-	32	5.8
Sample Properties						
% Moisture	1	%	-	-	9.5	6.6
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	< 5	< 5
13C4-PFBA (surr.)	1	%	-	-	98	100
13C5-PFPeA (surr.)	1	%	-	-	130	120
13C5-PFHxA (surr.)	1	%	-	-	130	122
13C4-PFHpA (surr.)	1	%	-	-	125	121
13C8-PFOA (surr.)	1	%	-	-	114	117
13C5-PFNA (surr.)	1	%	-	-	104	119
13C6-PFDA (surr.)	1	%	-	-	110	105

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C2-PFUnDA (surr.)	1	%	-	-	124	119
13C2-PFDoDA (surr.)	1	%	-	-	139	128
13C2-PFTeDA (surr.)	1	%	-	-	131	103
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	< 10	< 10
13C8-FOSA (surr.)	1	%	-	-	111	110
D3-N-MeFOSA (surr.)	1	%	-	-	99	107
D5-N-EtFOSA (surr.)	1	%	-	-	102	111
D7-N-MeFOSE (surr.)	1	%	-	-	103	128
D9-N-EtFOSE (surr.)	1	%	-	-	100	80
D5-N-EtFOSAA (surr.)	1	%	-	-	115	125
D3-N-MeFOSAA (surr.)	1	%	-	-	91	95
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	< 5	< 5
13C3-PFBS (surr.)	1	%	-	-	146	140
18O2-PFHxS (surr.)	1	%	-	-	110	116
13C8-PFOS (surr.)	1	%	-	-	125	111
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	99	70
13C2-6:2 FTSA (surr.)	1	%	-	-	98	116
13C2-8:2 FTSA (surr.)	1	%	-	-	118	109
13C2-10:2 FTSA (surr.)	1	%	-	-	INT	158

Client Sample ID			BH07_4.0	BH07_5.0	BH06_0.1	BH06_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015232	S25-JI0015233	S25-JI0015234	S25-JI0015235
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	< 50	< 50
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	7.6	7.7	-	-
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	9.2	9.5	-	-
Reaction Ratings*[S05]	0	comment	1.0	1.0	-	-
Pathogens						
E.coli (MPN)*	1	MPN/g	-	-	SEE ATTACHED	-
Thermotolerant Coliforms (MPN)	1	MPN/g	-	-	SEE ATTACHED	-

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	65	62	67	62
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	65	-	-	-
Toluene-d8 (surr.)	1	%	55	-	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	98	104	100	105
p-Terphenyl-d14 (surr.)	1	%	114	113	108	115
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	83	105	91	91
Tetrachloro-m-xylene (surr.)	1	%	110	109	105	112
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	122	103	97	104
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	83	105	91	91
Tetrachloro-m-xylene (surr.)	1	%	110	109	105	112
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
Dinoseb	20	mg/kg	< 20	< 20	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	124	97	92	92
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	-	-	-
Total PAH*	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	-	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-	-
1-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	-
1-Naphthylamine	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Chloronaphthalene	0.5	mg/kg	< 0.5	-	-	-
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Fluorobiphenyl (surr.)	1	%	98	-	-	-
2-Methylnaphthalene	0.5	mg/kg	< 0.5	-	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-	-
2-Naphthylamine	0.5	mg/kg	< 0.5	-	-	-
2-Nitroaniline	1	mg/kg	< 1	-	-	-
2-Nitrophenol	1	mg/kg	< 1	-	-	-
2-Picoline	0.5	mg/kg	< 0.5	-	-	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.4.6-Tribromophenol (surr.)	1	%	118	-	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dinitrotoluene	0.2	mg/kg	< 0.2	-	-	-
2.6-Dinitrotoluene	1	mg/kg	< 1	-	-	-
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	< 1	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	-
3-Methylcholanthrene	0.5	mg/kg	< 0.5	-	-	-
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	-	-	-
4-Aminobiphenyl	0.5	mg/kg	< 0.5	-	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	-
4-Nitrophenol	5	mg/kg	< 5	-	-	-
4.4'-DDD	0.5	mg/kg	< 0.5	-	-	-
4.4'-DDE	0.5	mg/kg	< 0.5	-	-	-
4.4'-DDT	1	mg/kg	< 1	-	-	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
a-HCH	0.5	mg/kg	< 0.5	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Acetophenone	0.5	mg/kg	< 0.5	-	-	-
Aldrin	0.5	mg/kg	< 0.5	-	-	-
Aniline	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
b-HCH	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-
Benzyl chloride	0.5	mg/kg	< 0.5	-	-	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	-	-	-
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
d-HCH	0.5	mg/kg	< 0.5	-	-	-
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	-	-	-
Dibenzofuran	0.5	mg/kg	< 0.5	-	-	-
Dieldrin	0.5	mg/kg	< 0.5	-	-	-
Diethyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dimethyl phthalate	0.5	mg/kg	< 0.5	-	-	-
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	-	-	-
Diphenylamine	0.5	mg/kg	< 0.5	-	-	-
Endosulfan I	0.5	mg/kg	< 0.5	-	-	-
Endosulfan II	0.5	mg/kg	< 0.5	-	-	-
Endosulfan sulphate	0.5	mg/kg	< 0.5	-	-	-
Endrin	0.5	mg/kg	< 0.5	-	-	-
Endrin aldehyde	0.5	mg/kg	< 0.5	-	-	-
Endrin ketone	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
g-HCH (Lindane)	0.5	mg/kg	< 0.5	-	-	-
Heptachlor	0.5	mg/kg	< 0.5	-	-	-
Heptachlor epoxide	0.5	mg/kg	< 0.5	-	-	-
Hexachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Hexachlorobutadiene	0.5	mg/kg	< 0.5	-	-	-
Hexachlorocyclopentadiene	1	mg/kg	< 1	-	-	-
Hexachloroethane	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Methoxychlor	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	-	-	-
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Nitrobenzene	0.5	mg/kg	< 0.5	-	-	-
Nitrobenzene-d5 (surr.)	1	%	107	-	-	-
Pentachlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	-	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Phenol	0.5	mg/kg	< 0.5	-	-	-
Phenol-d6 (surr.)	1	%	124	-	-	-
Pronamide	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Trifluralin	0.5	mg/kg	< 0.5	-	-	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	-	-	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	-	-	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	3.5	3.0	3.3	5.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	9.0	7.3	9.2	11
Copper	5	mg/kg	< 5	< 5	< 5	< 5

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	< 5	< 5	< 5	< 5
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	18	12	22	25
Zinc	5	mg/kg	< 5	< 5	6.2	6.1
Sample Properties						
% Moisture	1	%	8.1	13	15	7.2
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	110	106	101	105
13C5-PFPeA (surr.)	1	%	114	130	122	104
13C5-PFHxA (surr.)	1	%	114	125	140	104
13C4-PFHpA (surr.)	1	%	103	114	108	113
13C8-PFOA (surr.)	1	%	111	123	97	111
13C5-PFNA (surr.)	1	%	117	101	106	107
13C6-PFDA (surr.)	1	%	104	110	111	100
13C2-PFUnDA (surr.)	1	%	99	120	109	103
13C2-PFDoDA (surr.)	1	%	123	141	139	139
13C2-PFTeDA (surr.)	1	%	99	92	94	85
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	94	108	113	118
D3-N-MeFOSA (surr.)	1	%	86	104	86	102
D5-N-EtFOSA (surr.)	1	%	117	118	100	107
D7-N-MeFOSE (surr.)	1	%	92	116	75	99
D9-N-EtFOSE (surr.)	1	%	101	85	105	70
D5-N-EtFOSAA (surr.)	1	%	138	151	119	127
D3-N-MeFOSAA (surr.)	1	%	105	104	98	97

Client Sample ID			BH05_0.3	BH11_0.2	BH04_0.2	BH04_1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015236	S25-JI0015237	S25-JI0015238	S25-JI0015239
Date Sampled			Jul 01, 2025	Jul 01, 2025	Jul 01, 2025	Jul 01, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	141	137	149	136
18O2-PFHxS (surr.)	1	%	132	117	117	135
13C8-PFOS (surr.)	1	%	119	121	130	127
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	67	75	86	80
13C2-6:2 FTSA (surr.)	1	%	96	109	111	114
13C2-8:2 FTSA (surr.)	1	%	147	66	129	96
13C2-10:2 FTSA (surr.)	1	%	148	165	126	154
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	< 50	< 50

Client Sample ID			[G01]BH02_0.1	BH02_0.5	BH02_1.2	BH02_2.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015240	S25-JI0015241	S25-JI0015242	S25-JI0015243
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
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	60	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	60	< 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	-	-

Client Sample ID			[G01]BH02_0.1	BH02_0.5	BH02_1.2	BH02_2.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015240	S25-JI0015241	S25-JI0015242	S25-JI0015243
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
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	%	76	72	-	-
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	%	91	76	-	-
p-Terphenyl-d14 (surr.)	1	%	107	86	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.5	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.5	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.5	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.5	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.5	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	-	-

Client Sample ID			[G01]BH02_0.1	BH02_0.5	BH02_1.2	BH02_2.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015240	S25-JI0015241	S25-JI0015242	S25-JI0015243
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 10	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	INT	71	-	-
Tetrachloro-m-xylene (surr.)	1	%	84	83	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	-
Bolstar	0.2	mg/kg	< 0.5	< 0.2	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	-
Coumaphos	2	mg/kg	< 5	< 2	-	-
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	-	-
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	-	-
Diazinon	0.2	mg/kg	< 0.5	< 0.2	-	-
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	-	-
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	-	-
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	-	-
EPN	0.2	mg/kg	< 0.5	< 0.2	-	-
Ethion	0.2	mg/kg	< 0.5	< 0.2	-	-
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	-	-
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	-	-
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	-	-
Fenthion	0.2	mg/kg	< 0.5	< 0.2	-	-
Malathion	0.2	mg/kg	< 0.5	< 0.2	-	-
Merphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	-	-
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Monocrotophos	2	mg/kg	< 5	< 2	-	-
Naled	0.2	mg/kg	< 0.5	< 0.2	-	-
Omethoate	2	mg/kg	< 5	< 2	-	-
Phorate	0.2	mg/kg	< 0.5	< 0.2	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	-
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	-	-
Ronnel	0.2	mg/kg	< 0.5	< 0.2	-	-
Terbufos	0.2	mg/kg	< 0.5	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	-	-
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	-	-
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	94	74	-	-

Client Sample ID			[G01]BH02_0.1	BH02_0.5	BH02_1.2	BH02_2.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015240	S25-JI0015241	S25-JI0015242	S25-JI0015243
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	INT	71	-	-
Tetrachloro-m-xylene (surr.)	1	%	84	83	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	-	-
Pentachlorophenol	1	mg/kg	< 1	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	-	-
2-Nitrophenol	1	mg/kg	< 1	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	-	-
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Nitrophenol	5	mg/kg	< 5	< 5	-	-
Dinoseb	20	mg/kg	< 20	< 20	-	-
Phenol	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenol-d6 (surr.)	1	%	90	68	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	-	-
% Clay	2.5	%	< 2.5	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	140	-	-	-
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	8.7	-	-	-
Total Organic Carbon	0.1	%	1.7	-	-	-
Heavy Metals						
Iron (%)	0.01	%	0.72	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	9.3	6.3	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	15	20	-	-
Copper	5	mg/kg	7.9	< 5	-	-
Iron	20	mg/kg	7200	-	-	-
Lead	5	mg/kg	6.1	< 5	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-

Client Sample ID			[G01]BH02_0.1	BH02_0.5	BH02_1.2	BH02_2.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015240	S25-JI0015241	S25-JI0015242	S25-JI0015243
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Nickel	5	mg/kg	24	69	-	-
Zinc	5	mg/kg	46	11	-	-
Sample Properties						
% Moisture	1	%	6.9	11	-	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	-	-
13C4-PFBA (surr.)	1	%	105	117	-	-
13C5-PFPeA (surr.)	1	%	119	115	-	-
13C5-PFHxA (surr.)	1	%	118	123	-	-
13C4-PFHpA (surr.)	1	%	108	108	-	-
13C8-PFOA (surr.)	1	%	105	110	-	-
13C5-PFNA (surr.)	1	%	110	118	-	-
13C6-PFDA (surr.)	1	%	92	107	-	-
13C2-PFUnDA (surr.)	1	%	115	114	-	-
13C2-PFDoDA (surr.)	1	%	142	140	-	-
13C2-PFTeDA (surr.)	1	%	91	89	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
13C8-FOSA (surr.)	1	%	116	106	-	-
D3-N-MeFOSA (surr.)	1	%	97	115	-	-
D5-N-EtFOSA (surr.)	1	%	112	108	-	-
D7-N-MeFOSE (surr.)	1	%	115	124	-	-
D9-N-EtFOSE (surr.)	1	%	86	99	-	-
D5-N-EtFOSAA (surr.)	1	%	120	137	-	-
D3-N-MeFOSAA (surr.)	1	%	95	114	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	-	-

Client Sample ID			[G01]BH02_0.1	BH02_0.5	BH02_1.2	BH02_2.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015240	S25-JI0015241	S25-JI0015242	S25-JI0015243
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	-	-
13C3-PFBS (surr.)	1	%	124	127	-	-
18O2-PFHxS (surr.)	1	%	127	124	-	-
13C8-PFOS (surr.)	1	%	145	138	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	83	72	-	-
13C2-6:2 FTSA (surr.)	1	%	159	125	-	-
13C2-8:2 FTSA (surr.)	1	%	107	107	-	-
13C2-10:2 FTSA (surr.)	1	%	129	133	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	24	-	-	-
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	-	7.6	7.6	7.7
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	-	9.4	9.2	9.4
Reaction Ratings*[S05]	0	comment	-	2.0	1.0	1.0

Client Sample ID			BH02_3.0	BH02_4.0	BH02_5.2	[G01]BH03_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015244	S25-JI0015245	S25-JI0015246	S25-JI0015247
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
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	-	-	-	260
TRH C10-C36 (Total)	50	mg/kg	-	-	-	260
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

Client Sample ID			BH02_3.0	BH02_4.0	BH02_5.2	[G01]BH03_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015244	S25-JI0015245	S25-JI0015246	S25-JI0015247
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C16-C34	100	mg/kg	-	-	-	200
TRH >C34-C40	100	mg/kg	-	-	-	340
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	540
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	%	-	-	-	65
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
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	-	-	-	0.6
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	-	-	-	0.6
2-Fluorobiphenyl (surr.)	1	%	-	-	-	82
p-Terphenyl-d14 (surr.)	1	%	-	-	-	104
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	-	< 1
4.4'-DDD	0.05	mg/kg	-	-	-	< 0.5
4.4'-DDE	0.05	mg/kg	-	-	-	< 0.5
4.4'-DDT	0.05	mg/kg	-	-	-	< 0.5
a-HCH	0.05	mg/kg	-	-	-	< 0.5
Aldrin	0.05	mg/kg	-	-	-	< 0.5
b-HCH	0.05	mg/kg	-	-	-	< 0.5
d-HCH	0.05	mg/kg	-	-	-	< 0.5
Dieldrin	0.05	mg/kg	-	-	-	< 0.5
Endosulfan I	0.05	mg/kg	-	-	-	< 0.5
Endosulfan II	0.05	mg/kg	-	-	-	< 0.5
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.5
Endrin	0.05	mg/kg	-	-	-	< 0.5
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.5

Client Sample ID			BH02_3.0	BH02_4.0	BH02_5.2	[G01]BH03_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015244	S25-JI0015245	S25-JI0015246	S25-JI0015247
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin ketone	0.05	mg/kg	-	-	-	< 0.5
g-HCH (Lindane)	0.05	mg/kg	-	-	-	< 0.5
Heptachlor	0.05	mg/kg	-	-	-	< 0.5
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.5
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.5
Methoxychlor	0.05	mg/kg	-	-	-	< 0.5
Toxaphene	0.5	mg/kg	-	-	-	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	-	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	71
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	-	< 0.5
Bolstar	0.2	mg/kg	-	-	-	< 0.5
Chlorfenvinphos	0.2	mg/kg	-	-	-	< 0.5
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	-	-	-	< 0.5
Coumaphos	2	mg/kg	-	-	-	< 5
Demeton-S	0.2	mg/kg	-	-	-	< 0.5
Demeton-O	0.2	mg/kg	-	-	-	< 0.5
Diazinon	0.2	mg/kg	-	-	-	< 0.5
Dichlorvos	0.2	mg/kg	-	-	-	< 0.5
Dimethoate	0.2	mg/kg	-	-	-	< 0.5
Disulfoton	0.2	mg/kg	-	-	-	< 0.5
EPN	0.2	mg/kg	-	-	-	< 0.5
Ethion	0.2	mg/kg	-	-	-	< 0.5
Ethoprop	0.2	mg/kg	-	-	-	< 0.5
Ethyl parathion	0.2	mg/kg	-	-	-	< 0.5
Fenitrothion	0.2	mg/kg	-	-	-	< 0.5
Fensulfothion	0.2	mg/kg	-	-	-	< 0.5
Fenthion	0.2	mg/kg	-	-	-	< 0.5
Malathion	0.2	mg/kg	-	-	-	< 0.5
Merphos	0.2	mg/kg	-	-	-	< 0.5
Methyl parathion	0.2	mg/kg	-	-	-	< 0.5
Mevinphos	0.2	mg/kg	-	-	-	< 0.5
Monocrotophos	2	mg/kg	-	-	-	< 5
Naled	0.2	mg/kg	-	-	-	< 0.5
Omethoate	2	mg/kg	-	-	-	< 5
Phorate	0.2	mg/kg	-	-	-	< 0.5
Pirimiphos-methyl	0.2	mg/kg	-	-	-	< 0.5
Pyrazophos	0.2	mg/kg	-	-	-	< 0.5
Ronnel	0.2	mg/kg	-	-	-	< 0.5
Terbufos	0.2	mg/kg	-	-	-	< 0.5
Tetrachlorvinphos	0.2	mg/kg	-	-	-	< 0.5
Tokuthion	0.2	mg/kg	-	-	-	< 0.5
Trichloronate	0.2	mg/kg	-	-	-	< 0.5
Triphenylphosphate (surr.)	1	%	-	-	-	105

Client Sample ID			BH02_3.0	BH02_4.0	BH02_5.2	[G01]BH03_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015244	S25-JI0015245	S25-JI0015246	S25-JI0015247
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 1
Aroclor-1221	0.1	mg/kg	-	-	-	< 1
Aroclor-1232	0.1	mg/kg	-	-	-	< 1
Aroclor-1242	0.1	mg/kg	-	-	-	< 1
Aroclor-1248	0.1	mg/kg	-	-	-	< 1
Aroclor-1254	0.1	mg/kg	-	-	-	< 1
Aroclor-1260	0.1	mg/kg	-	-	-	< 1
Total PCB*	0.1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	71
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	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	%	-	-	-	77
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20
Ammonia (as N)	5	mg/kg	-	-	-	< 5
Nitrate & Nitrite (as N)	5	mg/kg	-	-	-	< 5
Nitrate (as N)	5	mg/kg	-	-	-	< 5
Nitrite (as N)	5	mg/kg	-	-	-	< 5
Organic Nitrogen (as N)*	10	mg/kg	-	-	-	220
Phosphorus reactive (as P)	0.1	mg/kg	-	-	-	0.6
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	-	220
Total Nitrogen (as N)*	10	mg/kg	-	-	-	220
Heavy Metals						
Phosphorus	10	mg/kg	-	-	-	610

Client Sample ID			BH02_3.0	BH02_4.0	BH02_5.2	[G01]BH03_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015244	S25-JI0015245	S25-JI0015246	S25-JI0015247
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	5.4
Cadmium	0.4	mg/kg	-	-	-	< 0.4
Chromium	5	mg/kg	-	-	-	14
Copper	5	mg/kg	-	-	-	9.0
Lead	5	mg/kg	-	-	-	6.3
Mercury	0.1	mg/kg	-	-	-	< 0.1
Nickel	5	mg/kg	-	-	-	20
Zinc	5	mg/kg	-	-	-	71
Sample Properties						
% Moisture	1	%	-	-	-	8.3
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	-	< 5
13C4-PFBA (surr.)	1	%	-	-	-	110
13C5-PFPeA (surr.)	1	%	-	-	-	123
13C5-PFHxA (surr.)	1	%	-	-	-	125
13C4-PFHpA (surr.)	1	%	-	-	-	107
13C8-PFOA (surr.)	1	%	-	-	-	113
13C5-PFNA (surr.)	1	%	-	-	-	106
13C6-PFDA (surr.)	1	%	-	-	-	114
13C2-PFUnDA (surr.)	1	%	-	-	-	101
13C2-PFDoDA (surr.)	1	%	-	-	-	132
13C2-PFTeDA (surr.)	1	%	-	-	-	90
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	-	< 10
13C8-FOSA (surr.)	1	%	-	-	-	126
D3-N-MeFOSA (surr.)	1	%	-	-	-	89
D5-N-EtFOSA (surr.)	1	%	-	-	-	125
D7-N-MeFOSE (surr.)	1	%	-	-	-	93
D9-N-EtFOSE (surr.)	1	%	-	-	-	91
D5-N-EtFOSAA (surr.)	1	%	-	-	-	135
D3-N-MeFOSAA (surr.)	1	%	-	-	-	99

Client Sample ID			BH02_3.0	BH02_4.0	BH02_5.2	[G01]BH03_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015244	S25-JI0015245	S25-JI0015246	S25-JI0015247
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	-	< 5
13C3-PFBS (surr.)	1	%	-	-	-	126
18O2-PFHxS (surr.)	1	%	-	-	-	133
13C8-PFOS (surr.)	1	%	-	-	-	110
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	-	51
13C2-6:2 FTSA (surr.)	1	%	-	-	-	93
13C2-8:2 FTSA (surr.)	1	%	-	-	-	107
13C2-10:2 FTSA (surr.)	1	%	-	-	-	129
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	-	< 50
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	7.9	7.8	7.8	-
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	9.4	9.3	9.5	-
Reaction Ratings*[S05]	0	comment	1.0	2.0	1.0	-
Pathogens						
E.coli (MPN)*	1	MPN/g	-	-	-	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	-	-	-	SEE ATTACHED

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	51	73	59	62
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	59	62
Toluene-d8 (surr.)	1	%	-	-	48	53
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	81	91	111	95
p-Terphenyl-d14 (surr.)	1	%	85	102	130	110
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	68	89	100	98
Tetrachloro-m-xylene (surr.)	1	%	82	97	125	108
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	76	90	137	118
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	68	89	100	98
Tetrachloro-m-xylene (surr.)	1	%	82	97	125	108
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
Dinoseb	20	mg/kg	< 20	< 20	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	73	81	141	118
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 1	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	< 5
1-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
1-Naphthylamine	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	111	95
2-Methylnaphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	< 0.2
2-Naphthylamine	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	-	-	< 1	< 1
2-Nitrophenol	1	mg/kg	-	-	< 1	< 1
2-Picoline	0.5	mg/kg	-	-	< 0.5	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	< 5
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	< 1
2.4.6-Tribromophenol (surr.)	1	%	-	-	119	105
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	< 0.5
2.4-Dinitrotoluene	0.2	mg/kg	-	-	< 0.2	< 0.2
2.6-Dinitrotoluene	1	mg/kg	-	-	< 1	< 1
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	-	-	< 1	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	< 0.4
3-Methylcholanthrene	0.5	mg/kg	-	-	< 0.5	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Aminobiphenyl	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	< 1
4-Nitrophenol	5	mg/kg	-	-	< 5	< 5
4.4'-DDD	0.5	mg/kg	-	-	< 0.5	< 0.5
4.4'-DDE	0.5	mg/kg	-	-	< 0.5	< 0.5
4.4'-DDT	1	mg/kg	-	-	< 1	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
a-HCH	0.5	mg/kg	-	-	< 0.5	< 0.5
Acenaphthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Acetophenone	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin	0.5	mg/kg	-	-	< 0.5	< 0.5
Aniline	0.5	mg/kg	-	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
b-HCH	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
Benzyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	-	< 5	< 5
Butyl benzyl phthalate	0.5	mg/kg	-	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	-	< 0.5	< 0.5
d-HCH	0.5	mg/kg	-	-	< 0.5	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	-	-	< 0.5	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibenzofuran	0.5	mg/kg	-	-	< 0.5	< 0.5
Dieldrin	0.5	mg/kg	-	-	< 0.5	< 0.5
Diethyl phthalate	0.5	mg/kg	-	-	< 0.5	< 0.5
Dimethyl phthalate	0.5	mg/kg	-	-	< 0.5	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Diphenylamine	0.5	mg/kg	-	-	< 0.5	< 0.5
Endosulfan I	0.5	mg/kg	-	-	< 0.5	< 0.5
Endosulfan II	0.5	mg/kg	-	-	< 0.5	< 0.5
Endosulfan sulphate	0.5	mg/kg	-	-	< 0.5	< 0.5
Endrin	0.5	mg/kg	-	-	< 0.5	< 0.5
Endrin aldehyde	0.5	mg/kg	-	-	< 0.5	< 0.5
Endrin ketone	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
g-HCH (Lindane)	0.5	mg/kg	-	-	< 0.5	< 0.5
Heptachlor	0.5	mg/kg	-	-	< 0.5	< 0.5
Heptachlor epoxide	0.5	mg/kg	-	-	< 0.5	< 0.5
Hexachlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Hexachlorobutadiene	0.5	mg/kg	-	-	< 0.5	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	-	-	< 1	< 1
Hexachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Methoxychlor	0.5	mg/kg	-	-	< 0.5	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	-	-	< 0.5	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	-	-	< 0.5	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	-	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
Nitrobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Nitrobenzene-d5 (surr.)	1	%	-	-	120	103
Pentachlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Pentachlorophenol	1	mg/kg	-	-	< 1	< 1
Phenanthrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Phenol	0.5	mg/kg	-	-	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	-	-	141	118
Pronamide	0.5	mg/kg	-	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trifluralin	0.5	mg/kg	-	-	< 0.5	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	-	< 0.5	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	-	< 0.5	< 0.5
Ammonia (as N)	5	mg/kg	-	< 5	< 5	-
Nitrate & Nitrite (as N)	5	mg/kg	-	< 5	< 5	-
Nitrate (as N)	5	mg/kg	-	< 5	< 5	-
Nitrite (as N)	5	mg/kg	-	< 5	< 5	-
Organic Nitrogen (as N)*	10	mg/kg	-	3000	980	-
Phosphorus reactive (as P)	0.1	mg/kg	-	1.1	0.7	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	3000	980	-
Total Nitrogen (as N)*	10	mg/kg	-	3000	980	-
Heavy Metals						
Phosphorus	10	mg/kg	-	6300	2500	-
Heavy Metals						
Arsenic	2	mg/kg	5.5	170	22	4.9
Cadmium	0.4	mg/kg	< 0.4	4.5	1.6	8.9
Chromium	5	mg/kg	14	190	47	24
Copper	5	mg/kg	< 5	1300	160	130
Lead	5	mg/kg	< 5	1100	190	290
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	0.1
Nickel	5	mg/kg	14	160	56	19
Zinc	5	mg/kg	15	2200	2700	550
Sample Properties						
% Moisture	1	%	13	23	30	22
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	102	106	103	105
13C5-PFPeA (surr.)	1	%	122	109	107	120
13C5-PFHxA (surr.)	1	%	121	110	129	125
13C4-PFHpA (surr.)	1	%	102	104	101	99
13C8-PFOA (surr.)	1	%	110	106	96	99
13C5-PFNA (surr.)	1	%	101	102	112	106
13C6-PFDA (surr.)	1	%	118	98	106	97
13C2-PFUnDA (surr.)	1	%	114	108	109	115
13C2-PFDoDA (surr.)	1	%	131	130	136	139
13C2-PFTeDA (surr.)	1	%	87	110	107	95
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	101	87	106	112
D3-N-MeFOSA (surr.)	1	%	84	90	87	105
D5-N-EtFOSA (surr.)	1	%	123	102	120	118
D7-N-MeFOSE (surr.)	1	%	98	96	99	81
D9-N-EtFOSE (surr.)	1	%	103	94	114	87
D5-N-EtFOSAA (surr.)	1	%	130	123	122	129
D3-N-MeFOSAA (surr.)	1	%	117	82	92	102
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	127	134	125	123
18O2-PFHxS (surr.)	1	%	109	119	130	114
13C8-PFOS (surr.)	1	%	134	127	130	117

Client Sample ID			BH03_0.5	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015248	S25-JI0015249	S25-JI0015250	S25-JI0015251
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	94	84	77	60
13C2-6:2 FTSA (surr.)	1	%	92	111	119	96
13C2-8:2 FTSA (surr.)	1	%	136	107	104	148
13C2-10:2 FTSA (surr.)	1	%	187	144	122	143
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	< 50	< 50
Pathogens						
E.coli (MPN)*	1	MPN/g	-	SEE ATTACHED	SEE ATTACHED	-
Thermotolerant Coliforms (MPN)	1	MPN/g	-	SEE ATTACHED	SEE ATTACHED	-

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	21
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	140
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	180
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	341
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	240
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	210
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	450
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	58	INT	73	53

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	58	INT	-	53
Toluene-d8 (surr.)	1	%	INT	34	-	INT
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	96	100	103	98
p-Terphenyl-d14 (surr.)	1	%	114	117	114	98
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	99	96	97	84
Tetrachloro-m-xylene (surr.)	1	%	107	113	108	89
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 5
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	< 2	< 2	< 2	< 5
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	121	122	102	61

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	99	96	97	84
Tetrachloro-m-xylene (surr.)	1	%	107	113	108	89
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 1
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 1
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
Dinoseb	20	mg/kg	< 20	< 20	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	124	128	96	INT
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	< 1	-	< 1
Total PAH*	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
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	-	< 5
1-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1-Naphthylamine	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
2-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	96	100	-	98
2-Methylnaphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	< 0.5
2-Naphthylamine	0.5	mg/kg	< 0.5	< 0.5	-	< 1
2-Nitroaniline	1	mg/kg	< 1	< 1	-	< 1
2-Nitrophenol	1	mg/kg	< 1	< 1	-	< 1
2-Picoline	0.5	mg/kg	< 0.5	< 0.5	-	< 1
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	-	< 5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	-	< 1
2.4.6-Tribromophenol (surr.)	1	%	108	111	-	INT
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2.4-Dinitrotoluene	0.2	mg/kg	< 0.2	< 0.2	-	< 1
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	-	< 1
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	< 1	< 1	-	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	-	< 1
3-Methylcholanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	< 0.5	-	< 1
4-Aminobiphenyl	0.5	mg/kg	< 0.5	< 0.5	-	< 1
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	-	< 1
4-Nitrophenol	5	mg/kg	< 5	< 5	-	< 5
4.4'-DDD	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4.4'-DDE	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4.4'-DDT	1	mg/kg	< 1	< 1	-	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
a-HCH	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acetophenone	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Aldrin	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Aniline	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
b-HCH	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
Benzyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	< 5	-	< 5

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
d-HCH	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenzofuran	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Dieldrin	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Diethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Dimethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Diphenylamine	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Endosulfan I	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Endosulfan II	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Endosulfan sulphate	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Endrin	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Endrin aldehyde	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Endrin ketone	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
g-HCH (Lindane)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Heptachlor	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Heptachlor epoxide	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Hexachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Hexachlorobutadiene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Hexachlorocyclopentadiene	1	mg/kg	< 1	< 1	-	< 1
Hexachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Methoxychlor	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	< 0.5	-	< 1
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	< 0.5	-	< 1
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Nitrobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Nitrobenzene-d5 (surr.)	1	%	108	113	-	77
Pentachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	-	< 1
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenol-d6 (surr.)	1	%	124	128	-	INT
Pronamide	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Trifluralin	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	-	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	< 0.5	-	< 1
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	< 0.5	-	< 1

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Ammonia (as N)	5	mg/kg	-	-	-	< 5
Nitrate & Nitrite (as N)	5	mg/kg	-	-	-	< 5
Nitrate (as N)	5	mg/kg	-	-	-	< 5
Nitrite (as N)	5	mg/kg	-	-	-	< 5
Organic Nitrogen (as N)*	10	mg/kg	-	-	-	460
Phosphorus reactive (as P)	0.1	mg/kg	-	-	-	0.7
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	-	460
Total Nitrogen (as N)*	10	mg/kg	-	-	-	460
Heavy Metals						
Phosphorus	10	mg/kg	-	-	-	1200
Heavy Metals						
Arsenic	2	mg/kg	7.3	5.2	8.4	10
Cadmium	0.4	mg/kg	3.8	< 0.4	< 0.4	0.5
Chromium	5	mg/kg	43	12	17	38
Copper	5	mg/kg	550	< 5	< 5	51
Lead	5	mg/kg	100	< 5	< 5	30
Mercury	0.1	mg/kg	0.2	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	24	13	39	41
Zinc	5	mg/kg	630	6.2	12	180
Sample Properties						
% Moisture	1	%	25	23	18	11
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	93	106	110	117
13C5-PFPeA (surr.)	1	%	123	128	115	126
13C5-PFHxA (surr.)	1	%	119	126	115	144
13C4-PFHpA (surr.)	1	%	95	108	117	117
13C8-PFOA (surr.)	1	%	99	102	100	113
13C5-PFNA (surr.)	1	%	89	102	106	116
13C6-PFDA (surr.)	1	%	101	98	98	103
13C2-PFUnDA (surr.)	1	%	99	94	99	108
13C2-PFDoDA (surr.)	1	%	119	124	132	129
13C2-PFTeDA (surr.)	1	%	100	103	100	108

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	114	99	111	111
D3-N-MeFOSA (surr.)	1	%	96	88	107	99
D5-N-EtFOSA (surr.)	1	%	114	118	96	111
D7-N-MeFOSE (surr.)	1	%	90	112	105	113
D9-N-EtFOSE (surr.)	1	%	83	101	94	80
D5-N-EtFOSAA (surr.)	1	%	124	110	140	116
D3-N-MeFOSAA (surr.)	1	%	100	94	102	97
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	[N09]9.5	< 5	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	149	106	140	112
18O2-PFHxS (surr.)	1	%	120	122	126	123
13C8-PFOS (surr.)	1	%	119	117	117	132
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	83	74	69	98
13C2-6:2 FTSA (surr.)	1	%	110	109	96	58
13C2-8:2 FTSA (surr.)	1	%	81	85	44	133
13C2-10:2 FTSA (surr.)	1	%	139	141	135	146
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	9.5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	9.5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	9.5	< 5	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	< 50	< 50

Client Sample ID			BH01_2.0	BH01_3.0	BH01_4.0	[G01]BH12_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015252	S25-JI0015253	S25-JI0015254	S25-JI0015255
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Pathogens						
E.coli (MPN)*	1	MPN/g	-	-	-	SEE ATTACHED
Thermotolerant Coliforms (MPN)	1	MPN/g	-	-	-	SEE ATTACHED

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	100	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	210	< 50	51	58
TRH C10-C36 (Total)	50	mg/kg	310	< 50	51	58
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C16-C34	100	mg/kg	250	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	140	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	390	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	93	96	76	97
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	76	-
Toluene-d8 (surr.)	1	%	-	-	INT	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	97	127	97	122
p-Terphenyl-d14 (surr.)	1	%	97	125	74	117
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 1	< 1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 10	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	75	132	51	INT
Tetrachloro-m-xylene (surr.)	1	%	92	107	103	86

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Coumaphos	2	mg/kg	< 5	< 2	< 5	< 5
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Monocrotophos	2	mg/kg	< 5	< 2	< 5	< 5
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Omethoate	2	mg/kg	< 5	< 2	< 5	< 5
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Triphenylphosphate (surr.)	1	%	95	123	80	85
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Total PCB*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	75	132	51	INT
Tetrachloro-m-xylene (surr.)	1	%	92	107	103	86

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 1	< 0.4
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 1	< 0.5
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
Dinoseb	20	mg/kg	< 20	< 20	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	102	126	136	114
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 1	-
Total PAH*	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	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-
1-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	-
1-Naphthylamine	0.5	mg/kg	-	-	< 1	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 1	-
1.2.3-Trichlorobenzene	0.5	mg/kg	-	-	< 1	-
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	-	-	< 1	-
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 1	-
1.2.4-Trichlorobenzene	0.5	mg/kg	-	-	< 1	-
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	-	-	< 1	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 1	-
1.3.5-Trichlorobenzene	0.5	mg/kg	-	-	< 1	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 1	-
2-Chloronaphthalene	0.5	mg/kg	-	-	< 0.5	-
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	-	97	-
2-Methylnaphthalene	0.5	mg/kg	-	-	< 0.5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.5	-
2-Naphthylamine	0.5	mg/kg	-	-	< 1	-
2-Nitroaniline	1	mg/kg	-	-	< 1	-

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2-Picoline	0.5	mg/kg	-	-	< 1	-
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Tribromophenol (surr.)	1	%	-	-	INT	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrotoluene	0.2	mg/kg	-	-	< 1	-
2.6-Dinitrotoluene	1	mg/kg	-	-	< 1	-
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	-	-	< 1	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 1	-
3-Methylcholanthrene	0.5	mg/kg	-	-	< 0.5	-
3.3'-Dichlorobenzidine	0.5	mg/kg	-	-	< 1	-
4-Aminobiphenyl	0.5	mg/kg	-	-	< 1	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
4.4'-DDD	0.5	mg/kg	-	-	< 0.5	-
4.4'-DDE	0.5	mg/kg	-	-	< 0.5	-
4.4'-DDT	1	mg/kg	-	-	< 1	-
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
a-HCH	0.5	mg/kg	-	-	< 0.5	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Acetophenone	0.5	mg/kg	-	-	< 1	-
Aldrin	0.5	mg/kg	-	-	< 0.5	-
Aniline	0.5	mg/kg	-	-	< 1	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
b-HCH	0.5	mg/kg	-	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
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	-
Benzyl chloride	0.5	mg/kg	-	-	< 1	-
Bis(2-ethylhexyl)phthalate	5	mg/kg	-	-	< 5	-
Butyl benzyl phthalate	0.5	mg/kg	-	-	< 1	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
d-HCH	0.5	mg/kg	-	-	< 0.5	-
Di-n-butyl phthalate	0.5	mg/kg	-	-	< 1	-
Di-n-octyl phthalate	0.5	mg/kg	-	-	< 1	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.j)acridine	0.5	mg/kg	-	-	< 0.5	-
Dibenzofuran	0.5	mg/kg	-	-	< 1	-
Dieldrin	0.5	mg/kg	-	-	< 0.5	-
Diethyl phthalate	0.5	mg/kg	-	-	< 1	-
Dimethyl phthalate	0.5	mg/kg	-	-	< 1	-

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Dimethylaminoazobenzene	0.5	mg/kg	-	-	< 1	-
Diphenylamine	0.5	mg/kg	-	-	< 1	-
Endosulfan I	0.5	mg/kg	-	-	< 0.5	-
Endosulfan II	0.5	mg/kg	-	-	< 0.5	-
Endosulfan sulphate	0.5	mg/kg	-	-	< 0.5	-
Endrin	0.5	mg/kg	-	-	< 0.5	-
Endrin aldehyde	0.5	mg/kg	-	-	< 0.5	-
Endrin ketone	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-
g-HCH (Lindane)	0.5	mg/kg	-	-	< 0.5	-
Heptachlor	0.5	mg/kg	-	-	< 0.5	-
Heptachlor epoxide	0.5	mg/kg	-	-	< 0.5	-
Hexachlorobenzene	0.5	mg/kg	-	-	< 1	-
Hexachlorobutadiene	0.5	mg/kg	-	-	< 1	-
Hexachlorocyclopentadiene	1	mg/kg	-	-	< 1	-
Hexachloroethane	0.5	mg/kg	-	-	< 1	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Methoxychlor	0.5	mg/kg	-	-	< 0.5	-
N-Nitrosodibutylamine	0.5	mg/kg	-	-	< 1	-
N-Nitrosodipropylamine	0.5	mg/kg	-	-	< 1	-
N-Nitrosopiperidine	0.5	mg/kg	-	-	< 1	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Nitrobenzene	0.5	mg/kg	-	-	< 1	-
Nitrobenzene-d5 (surr.)	1	%	-	-	58	-
Pentachlorobenzene	0.5	mg/kg	-	-	< 1	-
Pentachloronitrobenzene	0.5	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Phenanthrene	0.5	mg/kg	-	-	< 0.5	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	136	-
Pronamide	0.5	mg/kg	-	-	< 1	-
Pyrene	0.5	mg/kg	-	-	< 0.5	-
Trifluralin	0.5	mg/kg	-	-	< 1	-
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	-	-	< 1	-
4-Chlorophenyl phenyl ether	0.5	mg/kg	-	-	< 1	-
Bis(2-chloroethoxy)methane	0.5	mg/kg	-	-	< 1	-
Bis(2-chloroisopropyl)ether	0.5	mg/kg	-	-	< 1	-
Ammonia (as N)	5	mg/kg	15	-	-	-
Nitrate & Nitrite (as N)	5	mg/kg	< 5	-	-	-
Nitrate (as N)	5	mg/kg	< 5	-	-	-
Nitrite (as N)	5	mg/kg	< 5	-	-	-
Organic Nitrogen (as N)*	10	mg/kg	2685	-	-	-
Phosphorus reactive (as P)	0.1	mg/kg	0.3	-	-	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	2700	-	-	-
Total Nitrogen (as N)*	10	mg/kg	2700	-	-	-
Heavy Metals						
Phosphorus	10	mg/kg	1100	-	-	-

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.0	4.6	7.4	4.1
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	17	17	16
Copper	5	mg/kg	20	< 5	17	55
Lead	5	mg/kg	21	< 5	21	12
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	41	17	25
Zinc	5	mg/kg	53	15	90	200
Sample Properties						
% Moisture	1	%	16	21	15	12
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C4-PFBA (surr.)	1	%	102	108	111	110
13C5-PFPeA (surr.)	1	%	96	113	107	122
13C5-PFHxA (surr.)	1	%	106	116	109	135
13C4-PFHpA (surr.)	1	%	104	111	112	110
13C8-PFOA (surr.)	1	%	104	99	113	114
13C5-PFNA (surr.)	1	%	105	102	110	115
13C6-PFDA (surr.)	1	%	98	99	113	116
13C2-PFUnDA (surr.)	1	%	100	104	112	113
13C2-PFDoDA (surr.)	1	%	112	135	122	142
13C2-PFTeDA (surr.)	1	%	93	87	96	97
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
13C8-FOSA (surr.)	1	%	100	120	98	111
D3-N-MeFOSA (surr.)	1	%	100	83	94	120
D5-N-EtFOSA (surr.)	1	%	101	103	102	125
D7-N-MeFOSE (surr.)	1	%	109	111	106	123
D9-N-EtFOSE (surr.)	1	%	81	100	102	76
D5-N-EtFOSAA (surr.)	1	%	110	110	114	128
D3-N-MeFOSAA (surr.)	1	%	78	124	91	114

Client Sample ID			[G01]BH12_0.5	BH12_1.0	[G01]QA01	[G01]QA02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0015256	S25-JI0015257	S25-JI0015258	S25-JI0015260
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	[N09]21	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	133	127	118	140
18O2-PFHxS (surr.)	1	%	119	111	123	101
13C8-PFOS (surr.)	1	%	131	126	132	125
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	70	93	100	108
13C2-6:2 FTSA (surr.)	1	%	104	117	147	105
13C2-8:2 FTSA (surr.)	1	%	177	85	85	159
13C2-10:2 FTSA (surr.)	1	%	135	110	131	143
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	21	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	21	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	21	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	21	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	< 50	< 50
Pathogens						
E.coli (MPN)*	1	MPN/g	SEE ATTACHED	-	-	-
Thermotolerant Coliforms (MPN)	1	MPN/g	SEE ATTACHED	-	-	-

Client Sample ID			QA03	QA04	Trip Spike01	Trip Blank01
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S25-JI0015262	S25-JI0015264	S25-JI0015266	S25-JI0015267
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 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	140	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	140	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20

Client Sample ID			QA03	QA04	Trip Spike01	Trip Blank01
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S25-Jl0015262	S25-Jl0015264	S25-Jl0015266	S25-Jl0015267
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	-	< 0.5
TRH >C16-C34	100	mg/kg	< 100	120	-	-
TRH >C34-C40	100	mg/kg	< 100	150	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	270	-	-
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	%	92	94	-	66
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	%	115	101	-	-
p-Terphenyl-d14 (surr.)	1	%	125	103	-	-
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	-	-

Client Sample ID			QA03	QA04	Trip Spike01	Trip Blank01
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S25-JI0015262	S25-JI0015264	S25-JI0015266	S25-JI0015267
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	-	-
Dibutylchlorendate (surr.)	1	%	86	65	-	-
Tetrachloro-m-xylene (surr.)	1	%	127	107	-	-
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	-	-
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	-	-

Client Sample ID			QA03	QA04	Trip Spike01	Trip Blank01
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S25-JI0015262	S25-JI0015264	S25-JI0015266	S25-JI0015267
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	114	99	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	86	65	-	-
Tetrachloro-m-xylene (surr.)	1	%	127	107	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	-	-
Pentachlorophenol	1	mg/kg	< 1	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	-	-
2-Nitrophenol	1	mg/kg	< 1	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	-	-
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Nitrophenol	5	mg/kg	< 5	< 5	-	-
Dinoseb	20	mg/kg	< 20	< 20	-	-
Phenol	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenol-d6 (surr.)	1	%	147	123	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	-	-
TRH C6-C10	1	%	-	-	110	-
Heavy Metals						
Arsenic	2	mg/kg	< 2	4.9	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	5.4	8.1	-	-
Copper	5	mg/kg	< 5	7.2	-	-
Lead	5	mg/kg	< 5	6.2	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-

Client Sample ID			QA03	QA04	Trip Spike01	Trip Blank01
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S25-JI0015262	S25-JI0015264	S25-JI0015266	S25-JI0015267
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Nickel	5	mg/kg	6.1	12	-	-
Zinc	5	mg/kg	39	60	-	-
Sample Properties						
% Moisture	1	%	5.9	16	-	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	-	-
13C4-PFBA (surr.)	1	%	116	139	-	-
13C5-PFPeA (surr.)	1	%	123	137	-	-
13C5-PFHxA (surr.)	1	%	138	142	-	-
13C4-PFHpA (surr.)	1	%	113	134	-	-
13C8-PFOA (surr.)	1	%	120	135	-	-
13C5-PFNA (surr.)	1	%	120	138	-	-
13C6-PFDA (surr.)	1	%	120	146	-	-
13C2-PFUnDA (surr.)	1	%	130	141	-	-
13C2-PFDoDA (surr.)	1	%	155	173	-	-
13C2-PFTeDA (surr.)	1	%	110	144	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
13C8-FOSA (surr.)	1	%	115	127	-	-
D3-N-MeFOSA (surr.)	1	%	123	127	-	-
D5-N-EtFOSA (surr.)	1	%	121	134	-	-
D7-N-MeFOSE (surr.)	1	%	120	132	-	-
D9-N-EtFOSE (surr.)	1	%	91	87	-	-
D5-N-EtFOSAA (surr.)	1	%	165	139	-	-
D3-N-MeFOSAA (surr.)	1	%	94	135	-	-

Client Sample ID			QA03	QA04	Trip Spike01	Trip Blank01
Sample Matrix			Soil	Soil	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S25-JI0015262	S25-JI0015264	S25-JI0015266	S25-JI0015267
Date Sampled			Jul 02, 2025	Jul 02, 2025	Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	-	-
13C3-PFBS (surr.)	1	%	155	173	-	-
18O2-PFHxS (surr.)	1	%	121	121	-	-
13C8-PFOS (surr.)	1	%	147	149	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	96	136	-	-
13C2-6:2 FTSA (surr.)	1	%	120	137	-	-
13C2-8:2 FTSA (surr.)	1	%	152	126	-	-
13C2-10:2 FTSA (surr.)	1	%	144	180	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	-	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	-	-	120	-
TRH C6-C9	1	%	-	-	120	-
BTEX						
Benzene	1	%	-	-	110	-
Ethylbenzene	1	%	-	-	110	-
m&p-Xylenes	1	%	-	-	110	-
o-Xylene	1	%	-	-	110	-
Toluene	1	%	-	-	110	-
Xylenes - Total	1	%	-	-	110	-
4-Bromofluorobenzene (surr.)	1	%	-	-	62	-

Client Sample ID			Trip Spike02	Trip Blank02
Sample Matrix			Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			S25-Jl0015268	S25-Jl0015269
Date Sampled			Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons				
TRH C6-C9	20	mg/kg	-	< 20
TRH C6-C10	20	mg/kg	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20
Naphthalene[N02]	0.5	mg/kg	-	< 0.5
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	%	-	86
TRH C6-C10	1	%	110	-
Total Recoverable Hydrocarbons				
Naphthalene	1	%	100	-
TRH C6-C9	1	%	110	-
BTEX				
Benzene	1	%	110	-
Ethylbenzene	1	%	100	-
m&p-Xylenes	1	%	110	-
o-Xylene	1	%	110	-
Toluene	1	%	110	-
Xylenes - Total	1	%	110	-
4-Bromofluorobenzene (surr.)	1	%	66	-

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	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (Halogenated)	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Jul 07, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Jul 07, 2025	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Jul 07, 2025	14 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Jul 07, 2025	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Jul 07, 2025	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P			
Ammonia (as N)	Sydney	Jul 07, 2025	28 Days
- Method: LTM-INO-4200 Ammonia by Discrete Analyser			
Nitrate & Nitrite (as N)	Melbourne	Jul 08, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrate (as N)	Melbourne	Jul 08, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrite (as N)	Melbourne	Jul 08, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Organic Nitrogen (as N)*	Melbourne	Jul 04, 2025	7 Days
- Method: APHA 4500 Organic Nitrogen (N)			
Phosphorus reactive (as P)	Sydney	Jul 07, 2025	28 Days
- Method: E052 Reactive phosphate (as P)			
Total Kjeldahl Nitrogen (as N)	Melbourne	Jul 08, 2025	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Heavy Metals	Sydney	Jul 07, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
NEPM Screen for Soil Classification			
% Clay	Brisbane	Jul 10, 2025	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Jul 07, 2025	7 Days
- Method: LTM-INO-4030 Conductivity			

Description	Testing Site	Extracted	Holding Time
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Sydney	Jul 07, 2025	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Sydney	Jul 07, 2025	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Cation Exchange Capacity	Melbourne	Jul 08, 2025	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
% Moisture	Sydney	Jul 04, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Jul 07, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Jul 07, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Jul 07, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Jul 07, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Acid Sulfate Soils Field pH Test	Sydney	Jul 07, 2025	7 Days
- Method: LTM-GEN-7060 Determination of field pH (pHF) and field pH peroxide (pHFOX) tests			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: SMEC Australia Pty Ltd (SYD)
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North Sydney
NSW 2060

Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1240933
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254								X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780								X						
External Laboratory	X		X	X										

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID												
1	BH10_0.1	Jun 30, 2025		Soil	S25-Jl0015208						X	X		X		X	X	X	
2	BH10_0.2	Jun 30, 2025		Soil	S25-Jl0015209							X						X	
3	BH10_0.4	Jun 30, 2025		Soil	S25-Jl0015210						X	X		X		X	X		
4	BH10_0.7	Jun 30, 2025		Soil	S25-Jl0015211					X	X	X	X	X			X		
5	BH10_1.5	Jun 30, 2025		Soil	S25-Jl0015212					X									
6	BH10_2.0	Jun 30, 2025		Soil	S25-Jl0015213					X									
7	BH10_2.5	Jun 30, 2025		Soil	S25-Jl0015214					X									
8	BH10_3.0	Jun 30, 2025		Soil	S25-Jl0015215					X									
9	BH10_4.0	Jun 30, 2025		Soil	S25-Jl0015216					X									
10	BH10_5.0	Jun 30, 2025		Soil	S25-Jl0015217					X									
11	BH10_6.0	Jun 30, 2025		Soil	S25-Jl0015218					X									
12	BH09_0.1	Jun 30, 2025		Soil	S25-Jl0015219	X			X		X	X		X			X		

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Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1240933
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
13	BH09_0.5	Jun 30, 2025		Soil	S25-Jl0015220						X	X		X			X		
14	BH09_1.0	Jun 30, 2025		Soil	S25-Jl0015221						X	X		X			X		
15	BH09_2.0	Jun 30, 2025		Soil	S25-Jl0015222						X	X		X			X		
16	BH08_0.1	Jun 30, 2025		Soil	S25-Jl0015223	X			X			X						X	
17	BH08_0.4	Jun 30, 2025		Soil	S25-Jl0015224	X			X		X	X		X		X	X	X	
18	BH08_0.9	Jun 30, 2025		Soil	S25-Jl0015225						X	X		X		X	X		
19	BH08_2.0	Jun 30, 2025		Soil	S25-Jl0015226						X	X		X			X		
20	BH07_0.1	Jun 30, 2025		Soil	S25-Jl0015227	X			X		X	X		X			X	X	
21	BH07_0.5	Jun 30, 2025		Soil	S25-Jl0015228					X	X	X		X			X		
22	BH07_1.0	Jun 30, 2025		Soil	S25-Jl0015229					X	X	X		X			X		
23	BH07_2.0	Jun 30, 2025		Soil	S25-Jl0015230					X									
24	BH07_3.0	Jun 30, 2025		Soil	S25-Jl0015231					X		X							
25	BH07_4.0	Jun 30, 2025		Soil	S25-Jl0015232					X									
26	BH07_5.0	Jun 30, 2025		Soil	S25-Jl0015233					X									
27	BH06_0.1	Jul 01, 2025		Soil	S25-Jl0015234	X			X		X	X		X		X	X	X	

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Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1240933
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
28	BH06_0.5	Jul 01, 2025		Soil	S25-Jl0015235						X	X		X			X		
29	BH05_0.3	Jul 01, 2025		Soil	S25-Jl0015236						X	X		X		X	X		
30	BH11_0.2	Jul 01, 2025		Soil	S25-Jl0015237						X	X		X			X		
31	BH04_0.2	Jul 01, 2025		Soil	S25-Jl0015238						X	X		X			X		
32	BH04_1.2	Jul 01, 2025		Soil	S25-Jl0015239						X	X		X			X		
33	BH02_0.1	Jul 02, 2025		Soil	S25-Jl0015240						X	X	X	X			X		
34	BH02_0.5	Jul 02, 2025		Soil	S25-Jl0015241					X	X	X		X			X		
35	BH02_1.2	Jul 02, 2025		Soil	S25-Jl0015242					X									
36	BH02_2.2	Jul 02, 2025		Soil	S25-Jl0015243					X									
37	BH02_3.0	Jul 02, 2025		Soil	S25-Jl0015244					X									
38	BH02_4.0	Jul 02, 2025		Soil	S25-Jl0015245					X									
39	BH02_5.2	Jul 02, 2025		Soil	S25-Jl0015246					X									
40	BH03_0.1	Jul 02, 2025		Soil	S25-Jl0015247	X			X		X	X		X			X	X	
41	BH03_0.5	Jul 02, 2025		Soil	S25-Jl0015248						X	X		X			X		
42	BH01_0.1	Jul 02, 2025		Soil	S25-Jl0015249	X			X		X	X		X			X	X	

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1240933
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
43	BH01_0.5	Jul 02, 2025		Soil	S25-Jl0015250	X			X		X	X		X		X	X	X	
44	BH01_1.0	Jul 02, 2025		Soil	S25-Jl0015251						X	X		X		X	X		
45	BH01_2.0	Jul 02, 2025		Soil	S25-Jl0015252						X	X		X		X	X		
46	BH01_3.0	Jul 02, 2025		Soil	S25-Jl0015253						X	X		X		X	X		
47	BH01_4.0	Jul 02, 2025		Soil	S25-Jl0015254						X	X		X			X		
48	BH12_0.1	Jul 02, 2025		Soil	S25-Jl0015255	X			X		X	X		X		X	X	X	
49	BH12_0.5	Jul 02, 2025		Soil	S25-Jl0015256	X			X		X	X		X			X	X	
50	BH12_1.0	Jul 02, 2025		Soil	S25-Jl0015257						X	X		X			X		
51	QA01	Jun 30, 2025		Soil	S25-Jl0015258						X	X		X		X	X		
52	QA01a	Jun 30, 2025		Soil	S25-Jl0015259			X											
53	QA02	Jun 30, 2025		Soil	S25-Jl0015260						X	X		X			X		
54	QA02a	Jun 30, 2025		Soil	S25-Jl0015261			X											
55	QA03	Jul 02, 2025		Soil	S25-Jl0015262						X	X		X			X		
56	QA03a	Jul 02, 2025		Soil	S25-Jl0015263			X											
57	QA04	Jul 02, 2025		Soil	S25-Jl0015264						X	X		X			X		

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Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
58	QA04a	Jul 02, 2025		Soil	S25-Jl0015265			X											
59	Trip Spike01	Jul 02, 2025		Trip Spike (solid)	S25-Jl0015266														X
60	Trip Blank01	Jul 02, 2025		Trip Blank (solid)	S25-Jl0015267										X				
61	Trip Spike02	Jul 02, 2025		Trip Spike (solid)	S25-Jl0015268														X
62	Trip Blank02	Jul 02, 2025		Trip Blank (solid)	S25-Jl0015269										X				
63	BH09_3.0	Jun 30, 2025		Soil	S25-Jl0015270		X												
64	BH06_1.0	Jul 01, 2025		Soil	S25-Jl0015271		X												
65	BH06_2.0	Jul 01, 2025		Soil	S25-Jl0015272		X												
66	BH05_1.3	Jul 01, 2025		Soil	S25-Jl0015273		X												
67	BH05_2.5	Jul 01, 2025		Soil	S25-Jl0015274		X												
68	BH05_5.0	Jul 01, 2025		Soil	S25-Jl0015275		X												
69	BH11_1.2	Jul 01, 2025		Soil	S25-Jl0015276		X												

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
70	BH04_2.5	Jul 01, 2025		Soil	S25-Jl0015277		X												
71	BH04_4.5	Jul 01, 2025		Soil	S25-Jl0015278		X												
72	BH03_1.0	Jul 02, 2025		Soil	S25-Jl0015279		X												
73	BH03_2.0	Jul 02, 2025		Soil	S25-Jl0015280		X												
74	BH01_2.5	Jul 02, 2025		Soil	S25-Jl0015281		X												
75	BH12_2.0	Jul 02, 2025		Soil	S25-Jl0015282		X												
76	BH12_4.0	Jul 02, 2025		Soil	S25-Jl0015283		X												
Test Counts						10	14	4	10	20	36	39	2	36	2	12	36	11	2

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 (*bis*-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 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							
Semivolatile Organics							
1-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
1-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.4-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Methylnaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
2-Nitroaniline	mg/kg	< 1			1	Pass	
2-Picoline	mg/kg	< 0.5			0.5	Pass	
2.3.4.6-Tetrachlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrotoluene	mg/kg	< 0.2			0.2	Pass	
2.6-Dinitrotoluene	mg/kg	< 1			1	Pass	
3-Methylcholanthrene	mg/kg	< 0.5			0.5	Pass	
3.3'-Dichlorobenzidine	mg/kg	< 0.5			0.5	Pass	
4-Aminobiphenyl	mg/kg	< 0.5			0.5	Pass	
4.4'-DDD	mg/kg	< 0.5			0.5	Pass	
4.4'-DDE	mg/kg	< 0.5			0.5	Pass	
4.4'-DDT	mg/kg	< 1			1	Pass	
7.12-Dimethylbenz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
a-HCH	mg/kg	< 0.5			0.5	Pass	
Acetophenone	mg/kg	< 0.5			0.5	Pass	
Aldrin	mg/kg	< 0.5			0.5	Pass	
Aniline	mg/kg	< 0.5			0.5	Pass	
b-HCH	mg/kg	< 0.5			0.5	Pass	
Benzyl chloride	mg/kg	< 0.5			0.5	Pass	
Bis(2-ethylhexyl)phthalate	mg/kg	< 5			5	Pass	
Butyl benzyl phthalate	mg/kg	< 0.5			0.5	Pass	
d-HCH	mg/kg	< 0.5			0.5	Pass	
Di-n-butyl phthalate	mg/kg	< 0.5			0.5	Pass	
Di-n-octyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.j)acridine	mg/kg	< 0.5			0.5	Pass	
Dibenzofuran	mg/kg	< 0.5			0.5	Pass	
Dieldrin	mg/kg	< 0.5			0.5	Pass	
Diethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethyl phthalate	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dimethylaminoazobenzene	mg/kg	< 0.5			0.5	Pass	
Diphenylamine	mg/kg	< 0.5			0.5	Pass	
Endosulfan I	mg/kg	< 0.5			0.5	Pass	
Endosulfan II	mg/kg	< 0.5			0.5	Pass	
Endosulfan sulphate	mg/kg	< 0.5			0.5	Pass	
Endrin	mg/kg	< 0.5			0.5	Pass	
Endrin aldehyde	mg/kg	< 0.5			0.5	Pass	
Endrin ketone	mg/kg	< 0.5			0.5	Pass	
g-HCH (Lindane)	mg/kg	< 0.5			0.5	Pass	
Heptachlor	mg/kg	< 0.5			0.5	Pass	
Heptachlor epoxide	mg/kg	< 0.5			0.5	Pass	
Hexachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Hexachlorobutadiene	mg/kg	< 0.5			0.5	Pass	
Hexachlorocyclopentadiene	mg/kg	< 1			1	Pass	
Hexachloroethane	mg/kg	< 0.5			0.5	Pass	
Methoxychlor	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodibutylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodipropylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosopiperidine	mg/kg	< 0.5			0.5	Pass	
Nitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachloronitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pronamide	mg/kg	< 0.5			0.5	Pass	
Trifluralin	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Ammonia (as N)	mg/kg	< 5			5	Pass	
Nitrate & Nitrite (as N)	mg/kg	< 5			5	Pass	
Nitrate (as N)	mg/kg	< 5			5	Pass	
Nitrite (as N)	mg/kg	< 5			5	Pass	
Phosphorus reactive (as P)	mg/kg	< 0.1			0.1	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							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 5			5	Pass	
Method Blank							
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Trichloronate	mg/kg	< 0.2			0.2	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	
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	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							
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							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/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							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	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	
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	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							
Semivolatile Organics							
1-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
1-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.4-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Methylnaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
2-Nitroaniline	mg/kg	< 1			1	Pass	
2-Picoline	mg/kg	< 0.5			0.5	Pass	
2.3.4.6-Tetrachlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrotoluene	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.6-Dinitrotoluene	mg/kg	< 1			1	Pass	
3-Methylcholanthrene	mg/kg	< 0.5			0.5	Pass	
3.3'-Dichlorobenzidine	mg/kg	< 0.5			0.5	Pass	
4-Aminobiphenyl	mg/kg	< 0.5			0.5	Pass	
4.4'-DDD	mg/kg	< 0.5			0.5	Pass	
4.4'-DDE	mg/kg	< 0.5			0.5	Pass	
4.4'-DDT	mg/kg	< 1			1	Pass	
7.12-Dimethylbenz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
a-HCH	mg/kg	< 0.5			0.5	Pass	
Acetophenone	mg/kg	< 0.5			0.5	Pass	
Aldrin	mg/kg	< 0.5			0.5	Pass	
Aniline	mg/kg	< 0.5			0.5	Pass	
b-HCH	mg/kg	< 0.5			0.5	Pass	
Benzyl chloride	mg/kg	< 0.5			0.5	Pass	
Bis(2-ethylhexyl)phthalate	mg/kg	< 5			5	Pass	
Butyl benzyl phthalate	mg/kg	< 0.5			0.5	Pass	
d-HCH	mg/kg	< 0.5			0.5	Pass	
Di-n-butyl phthalate	mg/kg	< 0.5			0.5	Pass	
Di-n-octyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.j)acridine	mg/kg	< 0.5			0.5	Pass	
Dibenzofuran	mg/kg	< 0.5			0.5	Pass	
Dieldrin	mg/kg	< 0.5			0.5	Pass	
Diethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethylaminoazobenzene	mg/kg	< 0.5			0.5	Pass	
Diphenylamine	mg/kg	< 0.5			0.5	Pass	
Endosulfan I	mg/kg	< 0.5			0.5	Pass	
Endosulfan II	mg/kg	< 0.5			0.5	Pass	
Endosulfan sulphate	mg/kg	< 0.5			0.5	Pass	
Endrin	mg/kg	< 0.5			0.5	Pass	
Endrin aldehyde	mg/kg	< 0.5			0.5	Pass	
Endrin ketone	mg/kg	< 0.5			0.5	Pass	
g-HCH (Lindane)	mg/kg	< 0.5			0.5	Pass	
Heptachlor	mg/kg	< 0.5			0.5	Pass	
Heptachlor epoxide	mg/kg	< 0.5			0.5	Pass	
Hexachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Hexachlorobutadiene	mg/kg	< 0.5			0.5	Pass	
Hexachlorocyclopentadiene	mg/kg	< 1			1	Pass	
Hexachloroethane	mg/kg	< 0.5			0.5	Pass	
Methoxychlor	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodibutylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodipropylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosopiperidine	mg/kg	< 0.5			0.5	Pass	
Nitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachloronitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pronamide	mg/kg	< 0.5			0.5	Pass	
Trifluralin	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	mg/kg	< 0.5			0.5	Pass	
Method Blank							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Total Organic Carbon	%	< 0.1			0.1	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.5			0.5	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							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Ammonia (as N)	mg/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Phosphorus	mg/kg	< 10			10	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							
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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	100			70-130	Pass	
TRH >C10-C16	%	100			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.2-Dichloroethane	%	86			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
4.4'-DDD	%	93			70-130	Pass	
4.4'-DDT	%	81			70-130	Pass	
a-HCH	%	78			70-130	Pass	
Endosulfan sulphate	%	84			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin	%	103			70-130	Pass	
Endrin ketone	%	80			70-130	Pass	
g-HCH (Lindane)	%	78			70-130	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	114			25-140	Pass	
2.4-Dinitrophenol	%	78			25-140	Pass	
Dinoseb	%	108			25-140	Pass	
LCS - % Recovery							
Semivolatile Organics							
1.2.4-Trichlorobenzene	%	81			70-130	Pass	
1.4-Dichlorobenzene	%	91			70-130	Pass	
N-Nitrosodipropylamine	%	83			70-130	Pass	
LCS - % Recovery							
Ammonia (as N)	%	114			70-130	Pass	
Nitrate & Nitrite (as N)	%	81			70-130	Pass	
Nitrite (as N)	%	75			70-130	Pass	
Phosphorus reactive (as P)	%	94			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	103			80-120	Pass	
Cadmium	%	104			80-120	Pass	
Chromium	%	104			80-120	Pass	
Copper	%	106			80-120	Pass	
Lead	%	108			80-120	Pass	
Mercury	%	114			80-120	Pass	
Nickel	%	106			80-120	Pass	
Zinc	%	106			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	85			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	82			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	90			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	95			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	80			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	89			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	88			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	64			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	87			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	88			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	73			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	64			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	104			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	114			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	96			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	93			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	98			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	86			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	104			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	98			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoropropanesulfonic acid (PFPrS)	%	83			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	86			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	80			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	88			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	97			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	86			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	112			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	65			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	77			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	96			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	81			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	80			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	85			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	87			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	81			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	88			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	95			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	74			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	79			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	87			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	96			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	64			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	80			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	90			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	106			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	89			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	101			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	98			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	107			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	99			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	85			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	93			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	108			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	96			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	86			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	85			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	88			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	85			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	103			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	98			50-150	Pass	
LCS - % Recovery							
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	102			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Acenaphthene	%	107			70-130	Pass	
Acenaphthylene	%	108			70-130	Pass	
Anthracene	%	113			70-130	Pass	
Benz(a)anthracene	%	104			70-130	Pass	
Benzo(a)pyrene	%	88			70-130	Pass	
Benzo(b&j)fluoranthene	%	93			70-130	Pass	
Benzo(g.h.i)perylene	%	77			70-130	Pass	
Benzo(k)fluoranthene	%	95			70-130	Pass	
Chrysene	%	102			70-130	Pass	
Dibenz(a.h)anthracene	%	81			70-130	Pass	
Fluoranthene	%	112			70-130	Pass	
Fluorene	%	103			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	82			70-130	Pass	
Naphthalene	%	102			70-130	Pass	
Phenanthrene	%	115			70-130	Pass	
Pyrene	%	108			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	118			70-130	Pass	
4.4'-DDE	%	127			70-130	Pass	
Aldrin	%	112			70-130	Pass	
b-HCH	%	117			70-130	Pass	
d-HCH	%	125			70-130	Pass	
Dieldrin	%	120			70-130	Pass	
Endosulfan I	%	119			70-130	Pass	
Endosulfan II	%	117			70-130	Pass	
Endrin aldehyde	%	124			70-130	Pass	
Heptachlor	%	119			70-130	Pass	
Heptachlor epoxide	%	104			70-130	Pass	
Hexachlorobenzene	%	116			70-130	Pass	
Methoxychlor	%	103			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	128			70-130	Pass	
Dimethoate	%	108			70-130	Pass	
Ethion	%	108			70-130	Pass	
Fenitrothion	%	103			70-130	Pass	
Methyl parathion	%	120			70-130	Pass	
Mevinphos	%	123			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	91			70-130	Pass	
Aroclor-1260	%	127			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	99			25-140	Pass	
2.4-Dichlorophenol	%	104			25-140	Pass	
2.4.5-Trichlorophenol	%	107			25-140	Pass	
2.4.6-Trichlorophenol	%	116			25-140	Pass	
2.6-Dichlorophenol	%	110			25-140	Pass	
4-Chloro-3-methylphenol	%	116			25-140	Pass	
Pentachlorophenol	%	101			25-140	Pass	
Tetrachlorophenols - Total	%	110			25-140	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	103			25-140	Pass	
2-Methyl-4.6-dinitrophenol	%	91			25-140	Pass	
2-Nitrophenol	%	108			25-140	Pass	
2.4-Dimethylphenol	%	99			25-140	Pass	
2-Methylphenol (o-Cresol)	%	100			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	99			25-140	Pass	
4-Nitrophenol	%	124			25-140	Pass	
Dinoseb	%	108			25-140	Pass	
Phenol	%	108			25-140	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	89			70-130	Pass	
TRH C10-C14	%	78			70-130	Pass	
TRH C6-C10	%	91			70-130	Pass	
TRH >C10-C16	%	77			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
a-HCH	%	112			70-130	Pass	
g-HCH (Lindane)	%	119			70-130	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2.4-Dinitrophenol	%	102			25-140	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
Naphthalene	%	97			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	94			70-130	Pass	
Toluene	%	86			70-130	Pass	
Ethylbenzene	%	88			70-130	Pass	
m&p-Xylenes	%	101			70-130	Pass	
o-Xylene	%	102			70-130	Pass	
Xylenes - Total*	%	101			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	74			70-130	Pass	
1.1.1-Trichloroethane	%	71			70-130	Pass	
1.2-Dichlorobenzene	%	101			70-130	Pass	
Trichloroethene	%	92			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	94			70-130	Pass	
Acenaphthylene	%	90			70-130	Pass	
Anthracene	%	93			70-130	Pass	
Benz(a)anthracene	%	88			70-130	Pass	
Benzo(a)pyrene	%	88			70-130	Pass	
Benzo(b&j)fluoranthene	%	89			70-130	Pass	
Benzo(g.h.i)perylene	%	90			70-130	Pass	
Benzo(k)fluoranthene	%	92			70-130	Pass	
Chrysene	%	93			70-130	Pass	
Dibenz(a.h)anthracene	%	90			70-130	Pass	
Fluoranthene	%	90			70-130	Pass	
Fluorene	%	93			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Indeno(1.2.3-cd)pyrene	%	92			70-130	Pass	
Naphthalene	%	94			70-130	Pass	
Phenanthrene	%	96			70-130	Pass	
Pyrene	%	85			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	101			70-130	Pass	
4.4'-DDD	%	89			70-130	Pass	
4.4'-DDE	%	96			70-130	Pass	
4.4'-DDT	%	77			70-130	Pass	
Aldrin	%	91			70-130	Pass	
b-HCH	%	98			70-130	Pass	
d-HCH	%	109			70-130	Pass	
Dieldrin	%	89			70-130	Pass	
Endosulfan I	%	95			70-130	Pass	
Endosulfan II	%	97			70-130	Pass	
Endosulfan sulphate	%	88			70-130	Pass	
Endrin	%	86			70-130	Pass	
Endrin aldehyde	%	79			70-130	Pass	
Endrin ketone	%	90			70-130	Pass	
Heptachlor	%	94			70-130	Pass	
Heptachlor epoxide	%	98			70-130	Pass	
Hexachlorobenzene	%	100			70-130	Pass	
Methoxychlor	%	73			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	93			70-130	Pass	
Dimethoate	%	73			70-130	Pass	
Ethion	%	88			70-130	Pass	
Fenitrothion	%	97			70-130	Pass	
Methyl parathion	%	101			70-130	Pass	
Mevinphos	%	78			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	116			70-130	Pass	
Aroclor-1260	%	98			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	89			25-140	Pass	
2.4-Dichlorophenol	%	85			25-140	Pass	
2.4.5-Trichlorophenol	%	84			25-140	Pass	
2.4.6-Trichlorophenol	%	79			25-140	Pass	
2.6-Dichlorophenol	%	88			25-140	Pass	
4-Chloro-3-methylphenol	%	88			25-140	Pass	
Pentachlorophenol	%	70			25-140	Pass	
Tetrachlorophenols - Total	%	83			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Methyl-4.6-dinitrophenol	%	49			25-140	Pass	
2-Nitrophenol	%	80			25-140	Pass	
2.4-Dimethylphenol	%	88			25-140	Pass	
2-Methylphenol (o-Cresol)	%	94			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	94			25-140	Pass	
4-Nitrophenol	%	74			25-140	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Phenol	%	90			25-140	Pass	
LCS - % Recovery							
Semivolatile Organics							
1.2.4-Trichlorobenzene	%	92			70-130	Pass	
1.4-Dichlorobenzene	%	85			70-130	Pass	
2.4-Dinitrotoluene	%	73			70-130	Pass	
Endrin aldehyde	%	79			70-130	Pass	
N-Nitrosodipropylamine	%	83			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	84			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	87			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	88			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	79			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	76			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	102			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	78			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	77			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	87			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	76			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	78			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	65			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	75			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	97			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	97			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	99			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	112			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	74			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	94			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	84			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	73			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	91			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	103			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	87			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	70			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	85			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	127			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	123			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	85			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	78			50-150	Pass	
LCS - % Recovery							
Total Organic Carbon	%	104			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
Naphthalene	%	90			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	95			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Toluene	%	82			70-130	Pass	
Ethylbenzene	%	84			70-130	Pass	
m&p-Xylenes	%	93			70-130	Pass	
o-Xylene	%	97			70-130	Pass	
Xylenes - Total*	%	94			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	74			70-130	Pass	
1.1.1-Trichloroethane	%	75			70-130	Pass	
1.2-Dichlorobenzene	%	98			70-130	Pass	
Trichloroethene	%	89			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Phosphorus	%	102			80-120	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	103			80-120	Pass	
Cadmium	%	98			80-120	Pass	
Chromium	%	102			80-120	Pass	
Copper	%	102			80-120	Pass	
Lead	%	103			80-120	Pass	
Mercury	%	105			80-120	Pass	
Nickel	%	104			80-120	Pass	
Zinc	%	102			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	99			70-130	Pass	
TRH C6-C10	%	99			70-130	Pass	
Naphthalene	%	101			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	83			70-130	Pass	
Toluene	%	107			70-130	Pass	
Ethylbenzene	%	107			70-130	Pass	
m&p-Xylenes	%	106			70-130	Pass	
o-Xylene	%	105			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									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S25-Jl0013644	NCP	%	93			70-130	Pass	
TRH >C10-C16	S25-Jl0013644	NCP	%	92			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-Jl0014673	NCP	%	83			70-130	Pass	
Acenaphthylene	S25-Jl0014673	NCP	%	79			70-130	Pass	
Anthracene	S25-Jl0014673	NCP	%	82			70-130	Pass	
Benz(a)anthracene	S25-Jl0014673	NCP	%	79			70-130	Pass	
Benzo(a)pyrene	S25-Jl0014673	NCP	%	80			70-130	Pass	
Benzo(b&j)fluoranthene	S25-Jl0014673	NCP	%	13			70-130	Fail	Q08
Benzo(g.h.i)perylene	S25-Jl0014673	NCP	%	100			70-130	Pass	
Benzo(k)fluoranthene	S25-Jl0014673	NCP	%	91			70-130	Pass	
Chrysene	S25-Jl0014673	NCP	%	89			70-130	Pass	
Dibenz(a.h)anthracene	S25-Jl0014673	NCP	%	78			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluoranthene	S25-Jl0014673	NCP	%	78			70-130	Pass	
Fluorene	S25-Jl0014673	NCP	%	78			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0014673	NCP	%	78			70-130	Pass	
Naphthalene	S25-Jl0014673	NCP	%	85			70-130	Pass	
Phenanthrene	S25-Jl0014673	NCP	%	81			70-130	Pass	
Pyrene	S25-Jl0014673	NCP	%	81			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S25-Jl0014673	NCP	%	77			70-130	Pass	
4.4'-DDD	S25-Jl0014673	NCP	%	71			70-130	Pass	
4.4'-DDE	S25-Jl0014673	NCP	%	74			70-130	Pass	
4.4'-DDT	S25-Jl0014673	NCP	%	73			70-130	Pass	
Aldrin	S25-Jl0014673	NCP	%	74			70-130	Pass	
Endosulfan II	S25-Jl0014673	NCP	%	85			70-130	Pass	
Endosulfan sulphate	S25-Jl0014673	NCP	%	75			70-130	Pass	
Endrin	S25-Jl0014673	NCP	%	78			70-130	Pass	
Endrin ketone	S25-Jl0014673	NCP	%	72			70-130	Pass	
Heptachlor	S25-Jl0014673	NCP	%	75			70-130	Pass	
Heptachlor epoxide	S25-Jl0014673	NCP	%	74			70-130	Pass	
Methoxychlor	S25-Jl0014673	NCP	%	75			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S25-Jl0014673	NCP	%	83			70-130	Pass	
Dimethoate	S25-Jl0014673	NCP	%	92			70-130	Pass	
Fenitrothion	S25-Jl0014673	NCP	%	80			70-130	Pass	
Methyl parathion	S25-Jl0014673	NCP	%	83			70-130	Pass	
Mevinphos	S25-Jl0014673	NCP	%	90			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1260	S25-Jl0014673	NCP	%	72			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	S25-Jl0014673	NCP	%	83			30-130	Pass	
2.4-Dichlorophenol	S25-Jl0014673	NCP	%	94			30-130	Pass	
2.4.5-Trichlorophenol	S25-Jl0014673	NCP	%	88			30-130	Pass	
2.4.6-Trichlorophenol	S25-Jl0014673	NCP	%	117			30-130	Pass	
2.6-Dichlorophenol	S25-Jl0014673	NCP	%	107			30-130	Pass	
4-Chloro-3-methylphenol	S25-Jl0014673	NCP	%	113			30-130	Pass	
Pentachlorophenol	S25-Jl0014673	NCP	%	110			30-130	Pass	
Tetrachlorophenols - Total	S25-Jl0014673	NCP	%	118			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4.6-dinitrophenol	S25-Jl0014673	NCP	%	87			30-130	Pass	
2-Methyl-4.6-dinitrophenol	S25-Jl0014673	NCP	%	89			30-130	Pass	
2.4-Dimethylphenol	S25-Jl0014673	NCP	%	80			30-130	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0014673	NCP	%	77			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Jl0014673	NCP	%	80			30-130	Pass	
4-Nitrophenol	S25-Jl0014673	NCP	%	97			30-130	Pass	
Dinoseb	S25-Jl0014673	NCP	%	90			30-130	Pass	
Phenol	S25-Jl0014673	NCP	%	105			30-130	Pass	
Spike - % Recovery									
				Result 1					
Nitrate & Nitrite (as N)	L25-Jn0081638	NCP	%	90			70-130	Pass	
Nitrite (as N)	L25-Jn0081638	NCP	%	105			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	W25-JI0009166	NCP	%	88			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	W25-JI0009166	NCP	%	85			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	W25-JI0009166	NCP	%	96			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	W25-JI0009166	NCP	%	80			50-150	Pass	
Perfluorooctanoic acid (PFOA)	W25-JI0009166	NCP	%	104			50-150	Pass	
Perfluorononanoic acid (PFNA)	W25-JI0009166	NCP	%	100			50-150	Pass	
Perfluorodecanoic acid (PFDA)	W25-JI0009166	NCP	%	87			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	W25-JI0009166	NCP	%	75			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	W25-JI0009166	NCP	%	86			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	W25-JI0009166	NCP	%	96			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	W25-JI0009166	NCP	%	87			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	W25-JI0009166	NCP	%	95			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	W25-JI0009166	NCP	%	89			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	W25-JI0009166	NCP	%	103			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	W25-JI0009166	NCP	%	116			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	W25-JI0009166	NCP	%	104			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	W25-JI0009166	NCP	%	81			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	W25-JI0009166	NCP	%	87			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	W25-JI0009166	NCP	%	89			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	W25-JI0009166	NCP	%	100			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	W25-JI0009166	NCP	%	58			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	W25-JI0009166	NCP	%	78			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	W25-JI0009166	NCP	%	105			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	W25-JI0009166	NCP	%	89			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	W25-JI0009166	NCP	%	99			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	W25-JI0009166	NCP	%	88			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	W25-JI0009166	NCP	%	128			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-JI0012815	NCP	%	67			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S25-Jl0012815	NCP	%	99			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	W25-Jl0009166	NCP	%	72			50-150	Pass	
Spike - % Recovery									
				Result 1					
Ammonia (as N)	S25-Jl0015209	CP	%	99			70-130	Pass	
Phosphorus reactive (as P)	S25-Jl0015209	CP	%	92			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Phosphorus	S25-Jl0015209	CP	%	154			75-125	Fail	J01
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Jl0015209	CP	%	110			75-125	Pass	
Cadmium	S25-Jl0015209	CP	%	88			75-125	Pass	
Chromium	S25-Jl0015209	CP	%	104			75-125	Pass	
Copper	S25-Jl0015209	CP	%	105			75-125	Pass	
Iron	S25-Jl0015209	CP	%	2000			75-125	Fail	Q05
Lead	S25-Jl0015209	CP	%	103			75-125	Pass	
Mercury	S25-Jl0015209	CP	%	88			75-125	Pass	
Nickel	S25-Jl0015209	CP	%	101			75-125	Pass	
Zinc	S25-Jl0015209	CP	%	110			75-125	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2.4-Dichlorophenol	S25-Jl0014640	NCP	%	84			30-130	Pass	
2.4.6-Trichlorophenol	S25-Jl0014640	NCP	%	84			30-130	Pass	
Tetrachlorophenols - Total	S25-Jl0014640	NCP	%	105			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4.6-dinitrophenol	S25-Jl0014640	NCP	%	120			30-130	Pass	
2-Methyl-4.6-dinitrophenol	S25-Jl0014640	NCP	%	120			30-130	Pass	
2-Nitrophenol	S25-Jl0014640	NCP	%	112			30-130	Pass	
2.4-Dimethylphenol	S25-Jl0014640	NCP	%	83			30-130	Pass	
Dinoseb	S25-Jl0014640	NCP	%	126			30-130	Pass	
Phenol	S25-Jl0014640	NCP	%	89			30-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
a-HCH	S25-Jl0003827	NCP	%	107			70-130	Pass	
Endrin aldehyde	S25-Jl0015001	NCP	%	99			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S25-Jl0015228	CP	%	87			70-130	Pass	
TRH C10-C14	N25-Jl0016698	NCP	%	99			70-130	Pass	
TRH C6-C10	S25-Jl0015228	CP	%	83			70-130	Pass	
TRH >C10-C16	N25-Jl0016698	NCP	%	97			70-130	Pass	
Naphthalene	S25-Jl0015228	CP	%	73			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S25-Jl0015228	CP	%	97			70-130	Pass	
Toluene	S25-Jl0015228	CP	%	90			70-130	Pass	
Ethylbenzene	S25-Jl0015228	CP	%	85			70-130	Pass	
m&p-Xylenes	S25-Jl0015228	CP	%	90			70-130	Pass	
o-Xylene	S25-Jl0015228	CP	%	87			70-130	Pass	
Xylenes - Total*	S25-Jl0015228	CP	%	89			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	N25-Jl0009139	NCP	%	95			70-130	Pass	
Acenaphthylene	N25-Jl0009139	NCP	%	92			70-130	Pass	
Anthracene	N25-Jl0009139	NCP	%	106			70-130	Pass	
Benz(a)anthracene	N25-Jl0009139	NCP	%	94			70-130	Pass	
Benzo(a)pyrene	N25-Jl0009139	NCP	%	93			70-130	Pass	
Benzo(b&j)fluoranthene	N25-Jl0009139	NCP	%	86			70-130	Pass	
Benzo(g.h.i)perylene	N25-Jl0009139	NCP	%	81			70-130	Pass	
Benzo(k)fluoranthene	N25-Jl0009139	NCP	%	99			70-130	Pass	
Chrysene	S25-Jl0015001	NCP	%	96			70-130	Pass	
Dibenz(a.h)anthracene	N25-Jl0009139	NCP	%	87			70-130	Pass	
Fluoranthene	N25-Jl0009139	NCP	%	102			70-130	Pass	
Fluorene	N25-Jl0009139	NCP	%	93			70-130	Pass	
Indeno(1.2.3-cd)pyrene	N25-Jl0009139	NCP	%	87			70-130	Pass	
Naphthalene	N25-Jl0009139	NCP	%	90			70-130	Pass	
Phenanthrene	N25-Jl0009139	NCP	%	103			70-130	Pass	
Pyrene	N25-Jl0009139	NCP	%	96			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	N25-Jl0009139	NCP	%	101			70-130	Pass	
4.4'-DDD	S25-Jl0015001	NCP	%	102			70-130	Pass	
4.4'-DDE	N25-Jl0009139	NCP	%	109			70-130	Pass	
4.4'-DDT	N25-Jl0009139	NCP	%	119			70-130	Pass	
a-HCH	S25-Jl0003827	NCP	%	107			70-130	Pass	
Aldrin	N25-Jl0009139	NCP	%	97			70-130	Pass	
b-HCH	N25-Jl0009139	NCP	%	96			70-130	Pass	
d-HCH	N25-Jl0009139	NCP	%	109			70-130	Pass	
Dieldrin	N25-Jl0009139	NCP	%	98			70-130	Pass	
Endosulfan I	N25-Jl0009139	NCP	%	114			70-130	Pass	
Endosulfan II	N25-Jl0009139	NCP	%	106			70-130	Pass	
Endosulfan sulphate	N25-Jl0009139	NCP	%	122			70-130	Pass	
Endrin	N25-Jl0009139	NCP	%	127			70-130	Pass	
Endrin aldehyde	N25-Jl0009139	NCP	%	106			70-130	Pass	
Endrin ketone	N25-Jl0009139	NCP	%	129			70-130	Pass	
g-HCH (Lindane)	S25-Jl0003827	NCP	%	94			70-130	Pass	
Heptachlor	N25-Jl0009139	NCP	%	100			70-130	Pass	
Heptachlor epoxide	N25-Jl0009139	NCP	%	92			70-130	Pass	
Hexachlorobenzene	N25-Jl0009139	NCP	%	103			70-130	Pass	
Methoxychlor	N25-Jl0009139	NCP	%	91			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Dimethoate	N25-Jl0009139	NCP	%	118			70-130	Pass	
Ethion	S25-Jl0015001	NCP	%	116			70-130	Pass	
Fenitrothion	N25-Jl0009139	NCP	%	110			70-130	Pass	
Methyl parathion	N25-Jl0009139	NCP	%	127			70-130	Pass	
Mevinphos	N25-Jl0009139	NCP	%	128			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	N25-Jl0009139	NCP	%	79			70-130	Pass	
Aroclor-1260	N25-Jl0009139	NCP	%	112			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	S25-Jl0003827	NCP	%	112			30-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.4.5-Trichlorophenol	S25-Jl0003827	NCP	%	77			30-130	Pass	
2.6-Dichlorophenol	S25-Jl0003827	NCP	%	80			30-130	Pass	
4-Chloro-3-methylphenol	S25-Jl0003827	NCP	%	85			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Nitrophenol	S25-Jl0003827	NCP	%	94			30-130	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0003827	NCP	%	101			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Jl0003827	NCP	%	90			30-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S25-Jl0012815	NCP	%	77			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S25-Jl0012815	NCP	%	86			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S25-Jl0012815	NCP	%	67			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S25-Jl0012815	NCP	%	83			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0012815	NCP	%	79			50-150	Pass	
Perfluorononanoic acid (PFNA)	S25-Jl0012815	NCP	%	83			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S25-Jl0012815	NCP	%	94			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S25-Jl0012815	NCP	%	82			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S25-Jl0012815	NCP	%	87			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S25-Jl0012815	NCP	%	97			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S25-Jl0012815	NCP	%	80			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S25-Jl0012815	NCP	%	79			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S25-Jl0012815	NCP	%	64			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S25-Jl0012815	NCP	%	90			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S25-Jl0012815	NCP	%	105			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S25-Jl0012815	NCP	%	117			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S25-Jl0012815	NCP	%	82			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S25-Jl0012815	NCP	%	82			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S25-Jl0012815	NCP	%	100			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S25-Jl0012815	NCP	%	91			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S25-Jl0012815	NCP	%	77			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S25-Jl0012815	NCP	%	82			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0009495	NCP	%	88			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S25-Jl0012815	NCP	%	144			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0009495	NCP	%	78			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S25-Jl0009495	NCP	%	85			50-150	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S25-Jl0012815	NCP	%	128			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0009495	NCP	%	94			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S25-Jl0009495	NCP	%	96			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S25-Jl0012815	NCP	%	96			50-150	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
b-HCH	S25-Jl0014502	NCP	%	77			70-130	Pass	
d-HCH	S25-Jl0011069	NCP	%	87			70-130	Pass	
Dieldrin	S25-Jl0014502	NCP	%	76			70-130	Pass	
Endosulfan I	S25-Jl0014502	NCP	%	81			70-130	Pass	
g-HCH (Lindane)	S25-Jl0014502	NCP	%	77			70-130	Pass	
Hexachlorobenzene	S25-Jl0014502	NCP	%	78			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S25-Jl0014502	NCP	%	82			70-130	Pass	
Ethion	S25-Jl0014502	NCP	%	83			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S25-Jl0014502	NCP	%	93			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S25-Jl0015257	CP	%	101			70-130	Pass	
TRH C6-C10	S25-Jl0015257	CP	%	100			70-130	Pass	
Naphthalene	S25-Jl0015257	CP	%	105			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S25-Jl0015257	CP	%	108			70-130	Pass	
Toluene	S25-Jl0015257	CP	%	109			70-130	Pass	
Ethylbenzene	S25-Jl0015257	CP	%	101			70-130	Pass	
m&p-Xylenes	S25-Jl0015257	CP	%	98			70-130	Pass	
o-Xylene	S25-Jl0015257	CP	%	95			70-130	Pass	
Xylenes - Total*	S25-Jl0015257	CP	%	97			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Phosphorus	S25-Jl0015257	CP	%	111			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Jl0015257	CP	%	100			75-125	Pass	
Cadmium	S25-Jl0015257	CP	%	94			75-125	Pass	
Chromium	S25-Jl0015257	CP	%	93			75-125	Pass	
Copper	S25-Jl0015257	CP	%	90			75-125	Pass	
Lead	S25-Jl0015257	CP	%	96			75-125	Pass	
Mercury	S25-Jl0015257	CP	%	98			75-125	Pass	
Nickel	S25-Jl0015257	CP	%	87			75-125	Pass	
Zinc	S25-Jl0015257	CP	%	86			75-125	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
Pentachlorophenol	S25-Jl0014673	NCP	%	110			30-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
4-Nitrophenol	S25-Jl0014673	NCP	%	97			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	S25-Jl0015208	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S25-Jl0013643	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Jl0013643	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S25-Jl0013643	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	S25-Jl0015208	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S25-Jl0013643	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH >C16-C34	S25-Jl0013643	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S25-Jl0013643	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Jl0015208	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Jl0015208	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Jl0015208	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Jl0015208	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Jl0015208	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Jl0015208	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Chloroethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Heptachlor	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Jl0014672	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S25-Jl0014672	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S25-Jl0014672	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S25-Jl0014672	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Jl0014672	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S25-Jl0015208	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S25-Jl0015208	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S25-Jl0015208	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S25-Jl0015208	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S25-Jl0015208	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S25-Jl0015208	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S25-Jl0015208	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S25-Jl0015208	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S25-Jl0015208	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Jl0014672	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S25-Jl0015208	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S25-Jl0015208	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
1-Chloronaphthalene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S25-Jl0014672	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Naphthylamine	S25-Jl0014672	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitroaniline	S25-Jl0014672	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrotoluene	S25-Jl0014672	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2.6-Dinitrotoluene	S25-Jl0014672	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
3-Methylcholanthrene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S25-Jl0014672	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
4.4'-DDD	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S25-Jl0014672	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S25-Jl0014672	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Di-n-butyl phthalate	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S25-Jl0015208	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S25-Jl0014672	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S25-Jl0014672	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	S25-Jl0015208	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Nitrate & Nitrite (as N)	M25-Jl0009726	NCP	mg/kg	40	41	2.0	30%	Pass	
Nitrite (as N)	M25-Jl0009726	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Phosphorus reactive (as P)	S25-Jl0015208	CP	mg/kg	1.1	1.1	4.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S25-Jl0015208	CP	mg/kg	860	1500	52	30%	Fail	Q02
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Jl0014455	NCP	mg/kg	4.4	4.3	3.0	30%	Pass	
Cadmium	S25-Jl0014455	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Jl0014455	NCP	mg/kg	27	20	27	30%	Pass	
Copper	S25-Jl0014455	NCP	mg/kg	26	18	33	30%	Fail	Q15
Iron	S25-Jl0015208	CP	mg/kg	10000	15000	39	30%	Fail	Q02
Lead	S25-Jl0014455	NCP	mg/kg	26	21	20	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Mercury	S25-Jl0014455	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S25-Jl0014455	NCP	mg/kg	12	9.0	26	30%	Pass	
Zinc	S25-Jl0014455	NCP	mg/kg	54	49	10	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Jl0015208	CP	%	12	10	20	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S25-Jl0010459	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S25-Jl0010459	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0010459	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S25-Jl0010459	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Nitrate & Nitrite (as N)	M25-Jl0009726	NCP	mg/kg	40	**	2.0	30%	Pass	
Nitrite (as N)	M25-Jl0009726	NCP	mg/kg	< 5	**	4.0	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
1-Chloronaphthalene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S25-Jl0014676	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Naphthylamine	S25-Jl0014676	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S25-Jl0019078	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrotoluene	S25-Jl0019078	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2.6-Dinitrotoluene	S25-Jl0019078	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
3-Methylcholanthrene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDD	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S25-Jl0019078	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S25-Jl0022933	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S25-Jl0019078	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Dimethylaminoazobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S25-Jl0019078	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S25-Jl0019078	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S25-Jl0015211	CP	uS/cm	110	160	31	30%	Fail	Q15
Duplicate									
Acid Sulfate Soils Field pH Test				Result 1	Result 2	RPD			
pH-F (Field pH test)*	S25-Jl0015211	CP	pH Units	7.5	7.5	pass	20%	Pass	
pH-FOX (Field pH Peroxide test)*	S25-Jl0015211	CP	pH Units	9.5	9.5	pass	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Toxaphene	S25-Jl0003435	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Jl0015225	CP	%	7.9	10	24	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S25-Jl0015227	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Jl0015227	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S25-Jl0015227	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S25-Jl0015227	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S25-Jl0015227	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S25-Jl0015227	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S25-Jl0015227	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S25-Jl0015227	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S25-Jl0015227	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S25-Jl0015227	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S25-Jl0015227	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S25-Jl0015227	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S25-Jl0015227	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S25-Jl0015227	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S25-Jl0015227	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0015227	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Jl0015227	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S25-Jl0015227	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S25-Jl0015227	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S25-Jl0015227	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S25-Jl0015227	CP	mg/kg	810	810	1.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Jl0015227	CP	mg/kg	7.4	7.3	1.0	30%	Pass	
Cadmium	S25-Jl0015227	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Jl0015227	CP	mg/kg	21	22	2.0	30%	Pass	
Copper	S25-Jl0015227	CP	mg/kg	18	18	2.0	30%	Pass	
Lead	S25-Jl0015227	CP	mg/kg	7.7	7.9	3.0	30%	Pass	
Mercury	S25-Jl0015227	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S25-Jl0015227	CP	mg/kg	26	27	2.0	30%	Pass	
Zinc	S25-Jl0015227	CP	mg/kg	81	83	2.0	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Jl0015898	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S25-Jl0015898	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S25-Jl0015898	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Jl0015898	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Jl0015898	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Jl0015898	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Jl0015898	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Jl0015898	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Jl0015898	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	W25-Jl0000818	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	W25-Jl0000818	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Jl0010207	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S25-Jl0010207	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S25-Jl0015003	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Fenthion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S25-Jl0015003	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S25-Jl0015003	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S25-Jl0015003	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Jl0010207	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Jl0015010	NCP	%	9.9	7.9	23	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	W25-Jl0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	W25-JI0009165	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	W25-JI0009165	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	W25-JI0009165	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	W25-JI0009165	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	S25-JI0015234	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-JI0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-JI0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Heptachlor	S25-Jl0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Jl0013640	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S25-Jl0013640	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S25-Jl0013640	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S25-Jl0013640	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S25-Jl0013640	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S25-Jl0013640	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Jl0013640	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Jl0015238	CP	%	15	15	<1	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	W25-JI0009683	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	W25-JI0009683	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	W25-JI0009683	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	W25-JI0009683	NCP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
% Clay	S25-Jl0014632	NCP	%	5.0	5.0	<1	30%	Pass	
Total Organic Carbon	S25-Jl0015240	CP	%	1.7	1.6	9.0	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	S25-Jl0012784	NCP	meq/100g	16	16	1.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Jl0015241	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S25-Jl0015241	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Jl0015241	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S25-Jl0015241	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	S25-Jl0015241	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S25-Jl0015241	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH >C16-C34	S25-Jl0015241	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S25-Jl0015241	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Jl0015241	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endosulfan II	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Jl0015241	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S25-Jl0015241	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S25-Jl0015241	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S25-Jl0015241	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1260	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S25-Jl0015241	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S25-Jl0015241	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S25-Jl0015241	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S25-Jl0015241	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S25-Jl0015241	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S25-Jl0015241	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S25-Jl0015241	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S25-Jl0015241	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S25-Jl0015241	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0015241	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Jl0015241	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S25-Jl0015241	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S25-Jl0015241	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S25-Jl0015241	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S25-Jl0015241	CP	mg/kg	610	800	27	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Jl0015241	CP	mg/kg	6.3	7.0	11	30%	Pass	
Cadmium	S25-Jl0015241	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Jl0015241	CP	mg/kg	20	23	13	30%	Pass	
Copper	S25-Jl0015241	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Iron	S25-Jl0015241	CP	mg/kg	9800	11000	13	30%	Pass	
Lead	S25-Jl0015241	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Mercury	S25-Jl0015241	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S25-Jl0015241	CP	mg/kg	69	76	9.0	30%	Pass	
Zinc	S25-Jl0015241	CP	mg/kg	11	13	17	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S25-Jl0015241	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S25-Jl0015241	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0015241	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S25-Jl0015241	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Acid Sulfate Soils Field pH Test				Result 1	Result 2	RPD			
pH-F (Field pH test)*	S25-Jl0015242	CP	pH Units	7.6	7.6	pass	20%	Pass	
pH-FOX (Field pH Peroxide test)*	S25-Jl0015242	CP	pH Units	9.2	9.2	pass	30%	Pass	
Duplicate									
Acid Sulfate Soils Field pH Test				Result 1	Result 2	RPD			
pH-F (Field pH test)*	S25-Jl0015246	CP	pH Units	7.8	7.8	pass	20%	Pass	
pH-FOX (Field pH Peroxide test)*	S25-Jl0015246	CP	pH Units	9.5	9.4	pass	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Toxaphene	S25-Jl0017321	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus reactive (as P)	S25-Jl0015250	CP	mg/kg	0.7	0.8	17	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Jl0015256	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S25-Jl0015256	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Jl0015256	CP	mg/kg	100	130	27	30%	Pass	
TRH C29-C36	S25-Jl0015256	CP	mg/kg	210	230	12	30%	Pass	
TRH C6-C10	S25-Jl0015256	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S25-Jl0015256	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH >C16-C34	S25-Jl0015256	CP	mg/kg	250	300	18	30%	Pass	
TRH >C34-C40	S25-Jl0015256	CP	mg/kg	140	170	21	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Jl0015256	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Jl0015256	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Jl0015256	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Jl0015256	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Jl0015256	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Jl0015256	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S25-Jl0015256	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S25-Jl0015256	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S25-Jl0015256	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S25-Jl0015256	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S25-Jl0015256	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S25-Jl0015256	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S25-Jl0015256	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S25-Jl0015256	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S25-Jl0015256	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0015256	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Jl0015256	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	

Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
4-Nitrophenol	S25-Jl0015256	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S25-Jl0015256	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S25-Jl0015256	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Phosphorus	S25-Jl0015256	CP	mg/kg	1100	840	26	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Jl0015256	CP	mg/kg	4.0	3.5	12	30%	Pass	
Cadmium	S25-Jl0015256	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Jl0015256	CP	mg/kg	11	9.8	10	30%	Pass	
Copper	S25-Jl0015256	CP	mg/kg	20	15	27	30%	Pass	
Lead	S25-Jl0015256	CP	mg/kg	21	7.2	99	30%	Fail	Q15
Mercury	S25-Jl0015256	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S25-Jl0015256	CP	mg/kg	11	8.5	24	30%	Pass	
Zinc	S25-Jl0015256	CP	mg/kg	53	44	18	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Dichlorodifluoromethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S25-Jl0017816	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Comments

Analysis of E.Coli and Thermotolerant Coliforms has been completed by Eurofins Food Testing Australia LTD, report reference : AR-25-NV-014032-01.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	-.1°C
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
G01	The LORs have been raised due to matrix interference
J01	Failures of the Matrix Spike (MS) due to the presence of analytes(s) in parent sample at > 3X the spike concentration.
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).
Q02	The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause
Q05	The matrix spike concentration is less than five times the background concentration in the sample - therefore the spike recovery cannot be determined
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.
Q09	The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC
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.
S05	Field Screen uses the following fizz rating to classify the rate the samples reacted to the peroxide: 1.0; No reaction to slight. 2.0; Moderate reaction. 3.0; Strong reaction with persistent froth. 4.0; Extreme reaction.

Authorised by:

Adam Bateup	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Ryan Phillips	Senior Analyst-Sample Properties
Dilani Samarakoon	Senior Analyst-Inorganic
Roopesh Rangarajan	Senior Analyst-PFAS
Luke Holt	Senior Analyst-Inorganic
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-Inorganic
Ryan Phillips	Senior Analyst-Inorganic



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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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1240933
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
External Laboratory						X		X	X										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**														
1	BH10_0.1	Jun 30, 2025		Soil	S25-Jl0015208						X	X		X		X	X	X	
2	BH10_0.2	Jun 30, 2025		Soil	S25-Jl0015209							X						X	
3	BH10_0.4	Jun 30, 2025		Soil	S25-Jl0015210						X	X		X		X	X		
4	BH10_0.7	Jun 30, 2025		Soil	S25-Jl0015211					X	X	X	X	X			X		
5	BH10_1.5	Jun 30, 2025		Soil	S25-Jl0015212					X									
6	BH10_2.0	Jun 30, 2025		Soil	S25-Jl0015213					X									
7	BH10_2.5	Jun 30, 2025		Soil	S25-Jl0015214					X									
8	BH10_3.0	Jun 30, 2025		Soil	S25-Jl0015215					X									
9	BH10_4.0	Jun 30, 2025		Soil	S25-Jl0015216					X									
10	BH10_5.0	Jun 30, 2025		Soil	S25-Jl0015217					X									
11	BH10_6.0	Jun 30, 2025		Soil	S25-Jl0015218					X									
12	BH09_0.1	Jun 30, 2025		Soil	S25-Jl0015219	X			X		X	X		X			X		

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Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
13	BH09_0.5	Jun 30, 2025		Soil	S25-Jl0015220						X	X		X			X		
14	BH09_1.0	Jun 30, 2025		Soil	S25-Jl0015221						X	X		X			X		
15	BH09_2.0	Jun 30, 2025		Soil	S25-Jl0015222						X	X		X			X		
16	BH08_0.1	Jun 30, 2025		Soil	S25-Jl0015223	X			X			X						X	
17	BH08_0.4	Jun 30, 2025		Soil	S25-Jl0015224	X			X		X	X		X		X	X	X	
18	BH08_0.9	Jun 30, 2025		Soil	S25-Jl0015225						X	X		X		X	X		
19	BH08_2.0	Jun 30, 2025		Soil	S25-Jl0015226						X	X		X			X		
20	BH07_0.1	Jun 30, 2025		Soil	S25-Jl0015227	X			X		X	X		X			X	X	
21	BH07_0.5	Jun 30, 2025		Soil	S25-Jl0015228					X	X	X		X			X		
22	BH07_1.0	Jun 30, 2025		Soil	S25-Jl0015229					X	X	X		X			X		
23	BH07_2.0	Jun 30, 2025		Soil	S25-Jl0015230					X									
24	BH07_3.0	Jun 30, 2025		Soil	S25-Jl0015231					X		X							
25	BH07_4.0	Jun 30, 2025		Soil	S25-Jl0015232					X									
26	BH07_5.0	Jun 30, 2025		Soil	S25-Jl0015233					X									
27	BH06_0.1	Jul 01, 2025		Soil	S25-Jl0015234	X			X		X	X		X		X	X	X	

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
28	BH06_0.5	Jul 01, 2025		Soil	S25-Jl0015235						X	X		X			X		
29	BH05_0.3	Jul 01, 2025		Soil	S25-Jl0015236						X	X		X		X	X		
30	BH11_0.2	Jul 01, 2025		Soil	S25-Jl0015237						X	X		X			X		
31	BH04_0.2	Jul 01, 2025		Soil	S25-Jl0015238						X	X		X			X		
32	BH04_1.2	Jul 01, 2025		Soil	S25-Jl0015239						X	X		X			X		
33	BH02_0.1	Jul 02, 2025		Soil	S25-Jl0015240						X	X	X	X			X		
34	BH02_0.5	Jul 02, 2025		Soil	S25-Jl0015241					X	X	X		X			X		
35	BH02_1.2	Jul 02, 2025		Soil	S25-Jl0015242					X									
36	BH02_2.2	Jul 02, 2025		Soil	S25-Jl0015243					X									
37	BH02_3.0	Jul 02, 2025		Soil	S25-Jl0015244					X									
38	BH02_4.0	Jul 02, 2025		Soil	S25-Jl0015245					X									
39	BH02_5.2	Jul 02, 2025		Soil	S25-Jl0015246					X									
40	BH03_0.1	Jul 02, 2025		Soil	S25-Jl0015247	X			X		X	X		X			X	X	
41	BH03_0.5	Jul 02, 2025		Soil	S25-Jl0015248						X	X		X			X		
42	BH01_0.1	Jul 02, 2025		Soil	S25-Jl0015249	X			X		X	X		X			X	X	

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email: EnviroSales@eurofinsanz.com

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ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
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+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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35 O'Rorke Road	Unit C1/4 Pacific Rise	43 Detroit Drive	1277 Cameron Road
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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1240933
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
43	BH01_0.5	Jul 02, 2025		Soil	S25-Jl0015250	X			X		X	X		X		X	X	X	
44	BH01_1.0	Jul 02, 2025		Soil	S25-Jl0015251						X	X		X		X	X		
45	BH01_2.0	Jul 02, 2025		Soil	S25-Jl0015252						X	X		X		X	X		
46	BH01_3.0	Jul 02, 2025		Soil	S25-Jl0015253						X	X		X		X	X		
47	BH01_4.0	Jul 02, 2025		Soil	S25-Jl0015254						X	X		X			X		
48	BH12_0.1	Jul 02, 2025		Soil	S25-Jl0015255	X			X		X	X		X		X	X	X	
49	BH12_0.5	Jul 02, 2025		Soil	S25-Jl0015256	X			X		X	X		X			X	X	
50	BH12_1.0	Jul 02, 2025		Soil	S25-Jl0015257						X	X		X			X		
51	QA01	Jun 30, 2025		Soil	S25-Jl0015258						X	X		X		X	X		
52	QA01a	Jun 30, 2025		Soil	S25-Jl0015259			X											
53	QA02	Jun 30, 2025		Soil	S25-Jl0015260						X	X		X			X		
54	QA02a	Jun 30, 2025		Soil	S25-Jl0015261			X											
55	QA03	Jul 02, 2025		Soil	S25-Jl0015262						X	X		X			X		
56	QA03a	Jul 02, 2025		Soil	S25-Jl0015263			X											
57	QA04	Jul 02, 2025		Soil	S25-Jl0015264						X	X		X			X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1240933
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						E.coli (MPN)	HOLD*	Split - External Lab*	Thermotolerant Coliforms (MPN)	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
58	QA04a	Jul 02, 2025		Soil	S25-Jl0015265			X											
59	Trip Spike01	Jul 02, 2025		Trip Spike (solid)	S25-Jl0015266														X
60	Trip Blank01	Jul 02, 2025		Trip Blank (solid)	S25-Jl0015267										X				
61	Trip Spike02	Jul 02, 2025		Trip Spike (solid)	S25-Jl0015268														X
62	Trip Blank02	Jul 02, 2025		Trip Blank (solid)	S25-Jl0015269										X				
63	BH09_3.0	Jun 30, 2025		Soil	S25-Jl0015270		X												
64	BH06_1.0	Jul 01, 2025		Soil	S25-Jl0015271		X												
65	BH06_2.0	Jul 01, 2025		Soil	S25-Jl0015272		X												
66	BH05_1.3	Jul 01, 2025		Soil	S25-Jl0015273		X												
67	BH05_2.5	Jul 01, 2025		Soil	S25-Jl0015274		X												
68	BH05_5.0	Jul 01, 2025		Soil	S25-Jl0015275		X												
69	BH11_1.2	Jul 01, 2025		Soil	S25-Jl0015276		X												

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Project Name: Lord Howe Island Environmental Services - WMF - BATCH 1
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Received: Jul 4, 2025 7:00 PM
Due: Jul 14, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217							X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780													X						
70	BH04_2.5	Jul 01, 2025		Soil	S25-Jl0015277		X												
71	BH04_4.5	Jul 01, 2025		Soil	S25-Jl0015278		X												
72	BH03_1.0	Jul 02, 2025		Soil	S25-Jl0015279		X												
73	BH03_2.0	Jul 02, 2025		Soil	S25-Jl0015280		X												
74	BH01_2.5	Jul 02, 2025		Soil	S25-Jl0015281		X												
75	BH12_2.0	Jul 02, 2025		Soil	S25-Jl0015282		X												
76	BH12_4.0	Jul 02, 2025		Soil	S25-Jl0015283		X												
Test Counts						10	14	4	10	20	36	39	2	36	2	12	36	11	2

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: STEVEN DRYSDALE
Project name: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573
Turnaround time: 5 Day
Date/Time received Jul 4, 2025 7:00 PM
Eurofins reference 1240933

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : -.1 degrees Celsius.
✓	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

The following samples were not received analysis cancelled id: BH07__3.0(received only ASS BAG)), BH10_0.2(MICRO JAR). The following samples were sent to ALS LAB: QA01A9(JAR, PFAS JAR), QA02A(JAR, PFAS JAR, MICRO JAR),QA03A(JAR, PFAS JAR), QA04a(JAR, PFAS JAR). 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:

Adam Bateup on phone : or by email: Adam.Bateup@eurofinsanz.com

Results will be delivered electronically via email to STEVEN DRYSDALE - STEVEN.DRYSDALE@SMEC.COM.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1	LABORATORY:	Eurofins
SITE LOCATION:	Lord Howe Island	CONTACT PERSON:	Adam Bateup/Sample Reciept
PROJECT No:	30013573	ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW **2145**
CLIENT:	Lord Howe Island Board	LABORATORY QUOTE No.:	25-0153-SME
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale CONTACT PH: 0403503373	TURNAROUND REQUIREMENTS:	2 day TAT
SAMPLED BY:	Jordan Petraccaro CONTACT PH: `0432982682	DESPATCH COURIER (consignment reference):	Air Freight
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY: Jordan Petraccaro	2) 3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME: 4/07/2025	
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:	
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts_payable@smec.co	DATE/TIME:	

SPECIAL LABORATORY INSTRUCTIONS:
NOTE: Retained acidity MUST also be reported irrespective of pHkcl.
Samples were frozen at the lab on the same day of sampling.
Please report ANCbt (%CaCO3) to two decimal places and a-ANCbt (mol H+/t) rounded to the nearest whole number
Please ensure all samples are analysed within respective holding times.

	SAMPLE DETAILS				ANALYSIS REQUIRED												
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold				Comment
	BH10_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X	X		X							
	BH10_0.2	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3			X									
	BH10_0.4	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X										
	BH10_0.7	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X		X						
	BH10_1.5	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4				X								
	BH10_2.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH10_2.5	30/06/2025	Soil	1x ASS Bag	1				X								
	BH10_3.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH10_4.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH10_5.0	30/06/2025	Soil	1x ASS Bag	1												

4[illegible] Blaise Goett
7:00pm — -0.1
1240933

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	`0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:				

SPECIAL LABORATORY INSTRUCTIONS:
NOTE: Retained acidity MUST also be reported irrespective of pHkcl.
Samples were frozen at the lab on the same day of sampling.
Please report ANCbt (%CaCO3) to two decimal places and a-ANCbt (mol H+/t) rounded to the nearest whole number
Please ensure all samples are analysed within respective holding times.

SAMPLE DETAILS					ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold				Comment
	BH10_6.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH09_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X				X							
	BH09_0.5	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X											
	BH09_1.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH09_2.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH09_3.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x				
	BH08_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4			X		X							
	BH08_0.4	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH08_0.9	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X										
	BH08_2.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH07_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH07_0.5	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X								
	BH07_1.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X								
	BH07_2.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4				X								
	BH07_3.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X								
	BH07_4.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH07_5.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH06_0.1	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH06_0.5	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	`0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:				

SPECIAL LABORATORY INSTRUCTIONS:
NOTE: Retained acidity MUST also be reported irrespective of pHkcl.
Samples were frozen at the lab on the same day of sampling.
Please report ANCbt (%CaCO3) to two decimal places and a-ANCbt (mol H+/t) rounded to the nearest whole number
Please ensure all samples are analysed within respective holding times.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold				Comment
	BH06_1.0	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x				
	BH06_2.0	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x				
	BH05_0.3	1/07/2025	Soil	1x Glass, 1x PFAS	2	X	X										
	BH05_1.3	1/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH05_2.5	1/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH05_5.0	1/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH11_0.2	1/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	BH11_1.2	1/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH04_0.2	1/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	BH04_1.2	1/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	BH04_2.5	1/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH04_4.5	1/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH02_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X					X						
	BH02_0.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x ASS bag	3	X			X								
	BH02_1.2	2/07/2025	Soil	1x Glass, 1x PFAS, 1x ASS bag	3				X								
	BH02_2.2	2/07/2025	Soil	1x Glass, 1x PFAS, 1x ASS bag	3				X								
	BH02_3.0	2/07/2025	Soil	1x ASS Bag	1				X								
	BH02_4.0	2/07/2025	Soil	1x ASS Bag	1				X								
	BH02_5.2	2/07/2025	Soil	1x ASS Bag	1				X								

4/7/25 7:00am Malvi Gutt -0.1

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	`0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com; Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:				

SPECIAL LABORATORY INSTRUCTIONS:
NOTE: Retained acidity MUST also be reported irrespective of pHkcl.
Samples were frozen at the lab on the same day of sampling.
Please report ANCbt (%CaCO3) to two decimal places and a-ANCbt (mol H+/t) rounded to the nearest whole number
Please ensure all samples are analysed within respective holding times.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold				Comment
	BH03_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH03_0.5	2/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	BH03_1.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH03_2.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH01_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH01_0.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH01_1.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X										
	BH01_2.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X										
	BH01_2.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x				
	BH01_3.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X										
	BH01_4.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH12_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH12_0.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH12_1.0	2/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	BH12_2.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH12_4.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	QA01	30/06/2025	Soil	1x Glass, 1x PFAS	2	X	X										
	QA01a	30/06/2025	Soil	1x Glass, 1x PFAS	2	Forward to ALS											
	QA02	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	X											

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4/7/25 7:00pm Blue Mountain

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	`0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:				

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Please ensure all samples are analysed within respective holding times.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold				Comment
	QA02a	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	Forward to ALS											
	QA03	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	X											
	QA03a	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	Forward to ALS											
	QA04	2/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	QA04a	2/07/2025	Soil	1x Glass, 1x PFAS	2	Forward to ALS											
	Trip Spike01	2/07/2025	Soil	1x vial	1												
	Trip Blank01	2/07/2025	Soil	1x vial	1							X					
	Trip Spike02	2/07/2025	Soil	1x vial	1												
	Trip Blank02	2/07/2025	Soil	1x vial	1							X					
				TOTAL	198	37	12	11	20	11	2	2	14	0	0	0	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

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4/7/25 7:00pm Blue Ice Gel

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SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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: **STEVEN DRYSDALE**

Report **1243905-S-V2**
Project name LORD HOWE ISLAND ENVIRONMENTAL SERVICES WMF GW SW SED
Project ID 30013573
Received Date Jul 14, 2025

Client Sample ID			**WMFSED01**	**WMFSED02**	**WMFSED03**	**SEDQA01**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S25-JI0036113**	**S25-JI0036114**	**S25-JI0036115**	**S25-JI0036118**
Date Sampled			**Jul 10, 2025**	**Jul 10, 2025**	**Jul 10, 2025**	**Jul 10, 2025**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	91	92	86	117
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	91	92	86	117
Toluene-d8 (surr.)	1	%	90	87	83	114

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	77	74	76	81
p-Terphenyl-d14 (surr.)	1	%	83	83	79	90
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	120	131	132	144
Tetrachloro-m-xylene (surr.)	1	%	104	101	98	108

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	96	85	85	89
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	120	131	132	144
Tetrachloro-m-xylene (surr.)	1	%	104	101	98	108

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
Dinoseb	20	mg/kg	< 20	< 20	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	50	46	44	46
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	< 20
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 1	< 1	< 1	< 1
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
1-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1-Naphthylamine	0.5	mg/kg	< 1	< 1	< 1	< 1
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Chloronaphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	77	74	76	81
2-Methylnaphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
2-Naphthylamine	0.5	mg/kg	< 1	< 1	< 1	< 1
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2-Picoline	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Tribromophenol (surr.)	1	%	INT	INT	INT	INT
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrotoluene	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.2	mg/kg	< 1	< 1	< 1	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
3-Methylcholanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Aminobiphenyl	0.5	mg/kg	< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
4.4'-DDD	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4.4'-DDE	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4.4'-DDT	1	mg/kg	< 1	< 1	< 1	< 1
7.12-Dimethylbenz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
a-HCH	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acetophenone	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aniline	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
b-HCH	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
d-HCH	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenzofuran	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dieldrin	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Diethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dimethyl phthalate	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Dimethylaminoazobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Diphenylamine	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Endosulfan I	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Endosulfan II	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Endosulfan sulphate	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Endrin	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Endrin aldehyde	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Endrin ketone	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
g-HCH (Lindane)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Heptachlor	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Heptachlor epoxide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	< 1	< 1	< 1	< 1
Hexachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Methoxychlor	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Nitrobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Nitrobenzene-d5 (surr.)	1	%	60	61	57	64
Pentachlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	50	46	44	46
Pronamide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trifluralin	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Haloethers						
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ammonia (as N)	5	mg/kg	< 5	< 5	< 5	< 5
Nitrate & Nitrite (as N)	5	mg/kg	< 5	< 5	< 5	< 5
Nitrate (as N)	5	mg/kg	< 5	< 5	< 5	< 5
Nitrite (as N)	5	mg/kg	< 5	< 5	< 5	< 5
Organic Nitrogen (as N)*	10	mg/kg	150	190	160	170
Phosphorus reactive (as P)	10	mg/kg	< 10	< 0.1	< 10	< 10
Total Kjeldahl Nitrogen (as N)	10	mg/kg	150	190	160	170
Total Nitrogen (as N)*	10	mg/kg	150	190	160	170
Phosphorus	5	mg/kg	450	440	1900	430

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	3.3	3.3	4.1	2.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	6.2	5.8	5.7	< 5
Copper	5	mg/kg	< 5	< 5	< 5	< 5
Lead	5	mg/kg	< 5	< 5	< 5	< 5
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	< 5	< 5	< 5	< 5
Sample Properties						
% Moisture	1	%	29	26	28	28
PFASs Summations						
Sum (PFHxS + PFOS)*	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Sum of PFASs (n=30)*	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
Perfluoroalkyl sulfonamido substances- Trace						
Perfluorooctane sulfonamide (FOSA)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
13C8-FOSA (surr.)	1	%	72	49	47	63
D3-N-MeFOSA (surr.)	1	%	INT	INT	INT	INT
D5-N-EtFOSA (surr.)	1	%	INT	INT	INT	INT
D7-N-MeFOSE (surr.)	1	%	19	11	16	20
D9-N-EtFOSE (surr.)	1	%	13	INT	INT	12
D5-N-EtFOSAA (surr.)	1	%	61	41	43	58
D3-N-MeFOSAA (surr.)	1	%	65	53	41	59
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
Perfluorobutanoic acid (PFBA)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
Perfluoropentanoic acid (PFPeA)[N11]	0.1	ug/kg	< 0.1	< 0.1	0.1	< 0.1
Perfluorohexanoic acid (PFHxA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluoroheptanoic acid (PFHpA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorooctanoic acid (PFOA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorononanoic acid (PFNA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorodecanoic acid (PFDA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorotridecanoic acid (PFTrDA)[N15]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluoroundecanoic acid (PFUnDA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorododecanoic acid (PFDoDA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
13C4-PFBA (surr.)	1	%	89	105	89	87
13C5-PFPeA (surr.)	1	%	113	92	93	84
13C5-PFHxA (surr.)	1	%	112	109	94	97
13C4-PFHpA (surr.)	1	%	97	90	85	78
13C8-PFOA (surr.)	1	%	92	79	73	69

Client Sample ID			WMFSED01	WMFSED02	WMFSED03	SEDQA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0036113	S25-JI0036114	S25-JI0036115	S25-JI0036118
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
13C5-PFNA (surr.)	1	%	92	75	61	72
13C6-PFDA (surr.)	1	%	83	63	52	60
13C2-PFUnDA (surr.)	1	%	62	56	44	57
13C2-PFDoDA (surr.)	1	%	44	47	36	51
13C2-PFTeDA (surr.)	1	%	INT	INT	10	27
Perfluoroalkyl sulfonic acids (PFSAs)- Trace						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorononanesulfonic acid (PFNS)[N15]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorooctanesulfonic acid (PFOS)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
Perfluorodecanesulfonic acid (PFDS)[N15]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
13C3-PFBS (surr.)	1	%	126	96	97	94
18O2-PFHxS (surr.)	1	%	93	80	76	73
13C8-PFOS (surr.)	1	%	101	75	64	69
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.5	ug/kg	< 0.5	< 0.5	< 0.5	< 0.5
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.1	ug/kg	< 0.1	< 0.1	< 0.1	< 0.1
13C2-4:2 FTSA (surr.)	1	%	87	47	58	48
13C2-6:2 FTSA (surr.)	1	%	102	66	55	57
13C2-8:2 FTSA (surr.)	1	%	103	56	51	33
13C2-10:2 FTSA (surr.)	1	%	37	28	27	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	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (Halogenated)	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Jul 15, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Jul 15, 2025	14 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Jul 15, 2025	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P			
Ammonia (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: APHA 4500-NH3 Ammonia Nitrogen by FIA			
Nitrate & Nitrite (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrate (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrite (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Organic Nitrogen (as N)*	Melbourne	Jul 14, 2025	7 Days
- Method: APHA 4500 Organic Nitrogen (N)			
Phosphorus reactive (as P)	Melbourne	Jul 16, 2025	28 Days
- Method: APHA 4500-P			
- Method: E052 Reactive phosphate (as P)			
Total Kjeldahl Nitrogen (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Phosphorus	Melbourne	Jul 16, 2025	180 Days
- Method: LTM-MET-3010 Alkali Metals Sulfur Silicon and Phosphorus by ICP-AES			
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Jul 14, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			
PFASs Summations	Sydney	Jul 14, 2025	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			
Perfluoroalkyl sulfonamido substances- Trace	Sydney	Jul 21, 2025	28 Days

Description	Testing Site	Extracted	Holding Time
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			
Perfluoroalkyl carboxylic acids (PFCAs) - Trace	Sydney	Jul 21, 2025	28 Day
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			
Perfluoroalkyl sulfonic acids (PFSAs)- Trace	Sydney	Jul 21, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace	Sydney	Jul 21, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
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NSW 2060

Project Name: LORD HOWE ISLAND ENVIRONMENTAL SERVICES WMF GW SW SED
Project ID: 30013573

Order No.:
Report #: 1243905
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 14, 2025 1:11 PM
Due: Jul 22, 2025
Priority: 3 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Split - External Lab*	Metals M8 filtered	Eurofins Suite B15	Moisture Set	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X		X			
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory	X												

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID												
1	WMFGW01	Jul 10, 2025		Water	S25-Jl0036107		X	X		X		X	X				X	
2	WMFGW02	Jul 10, 2025		Water	S25-Jl0036108		X	X		X		X	X				X	
3	WMFGW03	Jul 10, 2025		Water	S25-Jl0036109		X	X		X		X	X				X	
4	WMFSW01	Jul 10, 2025		Water	S25-Jl0036110		X	X		X		X	X				X	
5	WMFSW02	Jul 10, 2025		Water	S25-Jl0036111		X	X		X		X	X				X	
6	WMFSW03	Jul 10, 2025		Water	S25-Jl0036112		X	X		X		X	X				X	
7	WMFSED01	Jul 10, 2025		Soil	S25-Jl0036113			X	X	X		X			X			X
8	WMFSED02	Jul 10, 2025		Soil	S25-Jl0036114			X	X	X		X			X			X
9	WMFSED03	Jul 10, 2025		Soil	S25-Jl0036115			X	X	X		X			X			X
10	SWQA01	Jul 10, 2025		Water	S25-Jl0036116		X	X		X		X	X				X	
11	SWQA01A	Jul 10, 2025		Water	S25-Jl0036117	X												
12	SEDQA01	Jul 10, 2025		Soil	S25-Jl0036118			X	X	X		X			X			X
13	SEDQA01A	Jul 10, 2025		Soil	S25-Jl0036119	X												

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Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Sample Detail						Split - External Lab*	Metals M8 filtered	Eurofins Suite B15	Moisture Set	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254												X	X		X			
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X
14	PFAS BLANK	Jul 10, 2025		Water	S25-Jl0036120									X				
15	RINSATE01	Jul 10, 2025		Water	S25-Jl0036121			X		X		X	X				X	
16	TRIP BLANK01	Jul 10, 2025		Trip Blank (liquid)	S25-Jl0036122						X							
17	TRIP SPIKE01	Jul 10, 2025		Trip Spike (liquid)	S25-Jl0036123											X		
18	TRIP BLANK02	Jul 10, 2025		Trip Blank (liquid)	S25-Jl0036124						X							
19	TRIP SPIKE02	Jul 10, 2025		Trip Spike (liquid)	S25-Jl0036125											X		
Test Counts						2	7	12	4	12	2	12	8	1	4	2	8	4

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 (*bis*-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 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							
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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	
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							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	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							
Semivolatile Organics							
1-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
1-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.4-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.3.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2.4.5-Tetrachlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Chloronaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Methylnaphthalene	mg/kg	< 0.5			0.5	Pass	
2-Naphthylamine	mg/kg	< 0.5			0.5	Pass	
2-Nitroaniline	mg/kg	< 1			1	Pass	
2-Picoline	mg/kg	< 0.5			0.5	Pass	
2.3.4.6-Tetrachlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrotoluene	mg/kg	< 0.2			0.2	Pass	
2.6-Dinitrotoluene	mg/kg	< 1			1	Pass	
3-Methylcholanthrene	mg/kg	< 0.5			0.5	Pass	
3.3'-Dichlorobenzidine	mg/kg	< 0.5			0.5	Pass	
4-Aminobiphenyl	mg/kg	< 0.5			0.5	Pass	
4.4'-DDD	mg/kg	< 0.5			0.5	Pass	
4.4'-DDE	mg/kg	< 0.5			0.5	Pass	
4.4'-DDT	mg/kg	< 1			1	Pass	
7.12-Dimethylbenz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
a-HCH	mg/kg	< 0.5			0.5	Pass	
Acetophenone	mg/kg	< 0.5			0.5	Pass	
Aldrin	mg/kg	< 0.5			0.5	Pass	
Aniline	mg/kg	< 0.5			0.5	Pass	
b-HCH	mg/kg	< 0.5			0.5	Pass	
Benzyl chloride	mg/kg	< 0.5			0.5	Pass	
Bis(2-ethylhexyl)phthalate	mg/kg	< 5			5	Pass	
Butyl benzyl phthalate	mg/kg	< 0.5			0.5	Pass	
d-HCH	mg/kg	< 0.5			0.5	Pass	
Di-n-butyl phthalate	mg/kg	< 0.5			0.5	Pass	
Di-n-octyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.j)acridine	mg/kg	< 0.5			0.5	Pass	
Dibenzofuran	mg/kg	< 0.5			0.5	Pass	
Dieldrin	mg/kg	< 0.5			0.5	Pass	
Diethyl phthalate	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dimethyl phthalate	mg/kg	< 0.5			0.5	Pass	
Dimethylaminoazobenzene	mg/kg	< 0.5			0.5	Pass	
Diphenylamine	mg/kg	< 0.5			0.5	Pass	
Endosulfan I	mg/kg	< 0.5			0.5	Pass	
Endosulfan II	mg/kg	< 0.5			0.5	Pass	
Endosulfan sulphate	mg/kg	< 0.5			0.5	Pass	
Endrin	mg/kg	< 0.5			0.5	Pass	
Endrin aldehyde	mg/kg	< 0.5			0.5	Pass	
Endrin ketone	mg/kg	< 0.5			0.5	Pass	
g-HCH (Lindane)	mg/kg	< 0.5			0.5	Pass	
Heptachlor	mg/kg	< 0.5			0.5	Pass	
Heptachlor epoxide	mg/kg	< 0.5			0.5	Pass	
Hexachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Hexachlorobutadiene	mg/kg	< 0.5			0.5	Pass	
Hexachlorocyclopentadiene	mg/kg	< 1			1	Pass	
Hexachloroethane	mg/kg	< 0.5			0.5	Pass	
Methoxychlor	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodibutylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosodipropylamine	mg/kg	< 0.5			0.5	Pass	
N-Nitrosopiperidine	mg/kg	< 0.5			0.5	Pass	
Nitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachlorobenzene	mg/kg	< 0.5			0.5	Pass	
Pentachloronitrobenzene	mg/kg	< 0.5			0.5	Pass	
Pronamide	mg/kg	< 0.5			0.5	Pass	
Trifluralin	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	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							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoroalkyl sulfonic acids (PFSAs)- 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 FTSAs)- 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							
Phosphorus	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							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Ammonia (as N)	mg/kg	< 5			5	Pass	
Nitrate & Nitrite (as N)	mg/kg	< 5			5	Pass	
Nitrate (as N)	mg/kg	< 5			5	Pass	
Nitrite (as N)	mg/kg	< 5			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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	82			70-130	Pass	
TRH >C10-C16	%	82			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	102			70-130	Pass	
Acenaphthylene	%	91			70-130	Pass	
Anthracene	%	104			70-130	Pass	
Benz(a)anthracene	%	97			70-130	Pass	
Benzo(a)pyrene	%	103			70-130	Pass	
Benzo(b&j)fluoranthene	%	98			70-130	Pass	
Benzo(g.h.i)perylene	%	111			70-130	Pass	
Benzo(k)fluoranthene	%	115			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chrysene	%	111			70-130	Pass	
Dibenz(a.h)anthracene	%	103			70-130	Pass	
Fluoranthene	%	93			70-130	Pass	
Fluorene	%	100			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	104			70-130	Pass	
Naphthalene	%	96			70-130	Pass	
Phenanthrene	%	91			70-130	Pass	
Pyrene	%	96			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	102			70-130	Pass	
4.4'-DDD	%	98			70-130	Pass	
4.4'-DDE	%	106			70-130	Pass	
4.4'-DDT	%	103			70-130	Pass	
a-HCH	%	102			70-130	Pass	
Aldrin	%	99			70-130	Pass	
b-HCH	%	101			70-130	Pass	
d-HCH	%	108			70-130	Pass	
Dieldrin	%	106			70-130	Pass	
Endosulfan I	%	102			70-130	Pass	
Endosulfan II	%	105			70-130	Pass	
Endosulfan sulphate	%	112			70-130	Pass	
Endrin	%	114			70-130	Pass	
Endrin aldehyde	%	105			70-130	Pass	
Endrin ketone	%	107			70-130	Pass	
g-HCH (Lindane)	%	113			70-130	Pass	
Heptachlor	%	101			70-130	Pass	
Heptachlor epoxide	%	97			70-130	Pass	
Hexachlorobenzene	%	105			70-130	Pass	
Methoxychlor	%	84			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Dimethoate	%	108			70-130	Pass	
Fenitrothion	%	128			70-130	Pass	
Methyl parathion	%	126			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	96			70-130	Pass	
Aroclor-1260	%	119			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	115			25-140	Pass	
2.4-Dichlorophenol	%	106			25-140	Pass	
2.4.5-Trichlorophenol	%	100			25-140	Pass	
2.4.6-Trichlorophenol	%	99			25-140	Pass	
2.6-Dichlorophenol	%	79			25-140	Pass	
4-Chloro-3-methylphenol	%	110			25-140	Pass	
Pentachlorophenol	%	81			25-140	Pass	
Tetrachlorophenols - Total	%	101			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	87			25-140	Pass	
2-Methyl-4.6-dinitrophenol	%	86			25-140	Pass	
2-Nitrophenol	%	110			25-140	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.4-Dimethylphenol	%	111			25-140	Pass	
2.4-Dinitrophenol	%	79			25-140	Pass	
2-Methylphenol (o-Cresol)	%	112			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	104			25-140	Pass	
4-Nitrophenol	%	88			25-140	Pass	
Dinoseb	%	96			25-140	Pass	
Phenol	%	113			25-140	Pass	
LCS - % Recovery							
Semivolatile Organics							
1.2.4-Trichlorobenzene	%	92			70-130	Pass	
1.4-Dichlorobenzene	%	97			70-130	Pass	
2.4-Dinitrotoluene	%	74			70-130	Pass	
Endrin aldehyde	%	105			70-130	Pass	
N-Nitrosodipropylamine	%	83			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	%	93			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	67			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	78			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	94			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	63			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	91			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	117			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	%	87			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	118			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	92			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	82			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	76			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	81			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	77			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	105			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	86			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	92			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	87			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)- Trace							
Perfluorobutanesulfonic acid (PFBS)	%	70			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	85			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	71			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	76			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	93			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	103			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	89			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	76			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	53			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	126			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	54			50-150	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
Naphthalene	%	91			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
BTEX							
Benzene	%	112			70-130	Pass	
Toluene	%	100			70-130	Pass	
Ethylbenzene	%	112			70-130	Pass	
m&p-Xylenes	%	115			70-130	Pass	
o-Xylene	%	120			70-130	Pass	
Xylenes - Total*	%	116			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	100			70-130	Pass	
1.1.1-Trichloroethane	%	94			70-130	Pass	
1.2-Dichlorobenzene	%	112			70-130	Pass	
1.2-Dichloroethane	%	102			70-130	Pass	
Trichloroethene	%	114			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	127			70-130	Pass	
Ethion	%	114			70-130	Pass	
Mevinphos	%	123			70-130	Pass	
LCS - % Recovery							
Ammonia (as N)	%	95			70-130	Pass	
Nitrite (as N)	%	80			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	94			80-120	Pass	
Cadmium	%	95			80-120	Pass	
Chromium	%	93			80-120	Pass	
Copper	%	95			80-120	Pass	
Lead	%	98			80-120	Pass	
Mercury	%	102			80-120	Pass	
Nickel	%	94			80-120	Pass	
Zinc	%	91			80-120	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace							
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	123			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
				Result 1					
Ammonia (as N)	S25-Jl0036113	CP	%	94			70-130	Pass	
Nitrate & Nitrite (as N)	S25-Jl0036113	CP	%	110			70-130	Pass	
Nitrate (as N)	S25-Jl0036113	CP	%	121			70-130	Pass	
Nitrite (as N)	S25-Jl0036113	CP	%	100			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S25-Jl0036114	CP	%	87			70-130	Pass	
Toluene	S25-Jl0036114	CP	%	85			70-130	Pass	
Ethylbenzene	S25-Jl0036114	CP	%	86			70-130	Pass	
m&p-Xylenes	S25-Jl0036114	CP	%	91			70-130	Pass	
o-Xylene	S25-Jl0036114	CP	%	93			70-130	Pass	
Xylenes - Total*	S25-Jl0036114	CP	%	91			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-Jl0036114	CP	%	96			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Acenaphthylene	S25-Jl0036114	CP	%	86			70-130	Pass	
Anthracene	S25-Jl0036114	CP	%	98			70-130	Pass	
Benz(a)anthracene	S25-Jl0036114	CP	%	76			70-130	Pass	
Benzo(a)pyrene	S25-Jl0036114	CP	%	86			70-130	Pass	
Benzo(b&j)fluoranthene	S25-Jl0036114	CP	%	76			70-130	Pass	
Benzo(g.h.i)perylene	S25-Jl0036114	CP	%	94			70-130	Pass	
Benzo(k)fluoranthene	S25-Jl0036114	CP	%	101			70-130	Pass	
Chrysene	S25-Jl0036114	CP	%	103			70-130	Pass	
Dibenz(a.h)anthracene	S25-Jl0036114	CP	%	87			70-130	Pass	
Fluoranthene	S25-Jl0036114	CP	%	86			70-130	Pass	
Fluorene	S25-Jl0036114	CP	%	91			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0036114	CP	%	92			70-130	Pass	
Naphthalene	S25-Jl0036114	CP	%	93			70-130	Pass	
Phenanthrene	S25-Jl0036114	CP	%	81			70-130	Pass	
Pyrene	S25-Jl0036114	CP	%	90			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S25-Jl0036114	CP	%	87			70-130	Pass	
4.4'-DDD	S25-Jl0036114	CP	%	70			70-130	Pass	
4.4'-DDE	S25-Jl0036114	CP	%	87			70-130	Pass	
4.4'-DDT	S25-Jl0036114	CP	%	95			70-130	Pass	
Aldrin	S25-Jl0036114	CP	%	81			70-130	Pass	
b-HCH	S25-Jl0036114	CP	%	82			70-130	Pass	
d-HCH	S25-Jl0036114	CP	%	89			70-130	Pass	
Dieldrin	S25-Jl0036114	CP	%	89			70-130	Pass	
Endosulfan I	S25-Jl0036114	CP	%	84			70-130	Pass	
Endosulfan II	S25-Jl0036114	CP	%	77			70-130	Pass	
Endosulfan sulphate	S25-Jl0036114	CP	%	102			70-130	Pass	
Endrin	S25-Jl0036114	CP	%	101			70-130	Pass	
Endrin aldehyde	S25-Jl0036114	CP	%	85			70-130	Pass	
Endrin ketone	S25-Jl0036114	CP	%	94			70-130	Pass	
Heptachlor	S25-Jl0036114	CP	%	82			70-130	Pass	
Heptachlor epoxide	S25-Jl0036114	CP	%	81			70-130	Pass	
Hexachlorobenzene	S25-Jl0036114	CP	%	84			70-130	Pass	
Methoxychlor	S25-Jl0036114	CP	%	72			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S25-Jl0036114	CP	%	107			70-130	Pass	
Ethion	S25-Jl0036114	CP	%	77			70-130	Pass	
Mevinphos	S25-Jl0036114	CP	%	89			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S25-Jl0036114	CP	%	76			70-130	Pass	
Aroclor-1260	S25-Jl0036114	CP	%	97			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	S25-Jl0036114	CP	%	77			30-130	Pass	
4-Chloro-3-methylphenol	S25-Jl0036114	CP	%	71			30-130	Pass	
Tetrachlorophenols - Total	S25-Jl0036114	CP	%	75			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Nitrophenol	S25-Jl0036114	CP	%	72			30-130	Pass	
2.4-Dimethylphenol	S25-Jl0036114	CP	%	81			30-130	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0036114	CP	%	74			30-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
3&4-Methylphenol (m&p-Cresol)	S25-Jl0036114	CP	%	73			30-130	Pass	
Spike - % Recovery									
Semivolatile Organics				Result 1					
Endrin aldehyde	S25-Jl0036114	CP	%	85			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Trace				Result 1					
Perfluorooctane sulfonamide (FOSA)	S25-Jl0036114	CP	%	72			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S25-Jl0036114	CP	%	130			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S25-Jl0036114	CP	%	70			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S25-Jl0036114	CP	%	70			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S25-Jl0036114	CP	%	73			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1					
Perfluorobutanoic acid (PFBA)	S25-Jl0036114	CP	%	74			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S25-Jl0036114	CP	%	102			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S25-Jl0036114	CP	%	75			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S25-Jl0036114	CP	%	85			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0036114	CP	%	80			50-150	Pass	
Perfluorononanoic acid (PFNA)	S25-Jl0036114	CP	%	93			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S25-Jl0036114	CP	%	88			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S25-Jl0036114	CP	%	109			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S25-Jl0036114	CP	%	95			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S25-Jl0036114	CP	%	77			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)- Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S25-Jl0036114	CP	%	74			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S25-Jl0036114	CP	%	79			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S25-Jl0036114	CP	%	72			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S25-Jl0036114	CP	%	81			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0036114	CP	%	100			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S25-Jl0036114	CP	%	125			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0036114	CP	%	88			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S25-Jl0036114	CP	%	76			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S25-Jl0036114	CP	%	60			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S25-Jl0036114	CP	%	79			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S25-Jl0036114	CP	%	54			50-150	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	R25-JI0035223	NCP	%	92			70-130	Pass	
TRH >C10-C16	R25-JI0035223	NCP	%	91			70-130	Pass	
Naphthalene	S25-JI0027382	NCP	%	87			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
a-HCH	S25-JI0048871	NCP	%	105			70-130	Pass	
g-HCH (Lindane)	S25-JI0048871	NCP	%	123			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Dimethoate	S25-JI0045054	NCP	%	93			70-130	Pass	
Fenitrothion	S25-JI0045054	NCP	%	116			70-130	Pass	
Methyl parathion	S25-JI0045054	NCP	%	115			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2.4-Dichlorophenol	S25-JI0041928	NCP	%	75			30-130	Pass	
2.4.5-Trichlorophenol	S25-JI0048871	NCP	%	74			30-130	Pass	
2.6-Dichlorophenol	S25-JI0041928	NCP	%	83			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
Phenol	S25-JI0041928	NCP	%	76			30-130	Pass	
Spike - % Recovery									
Semivolatile Organics				Result 1					
1.2.4-Trichlorobenzene	S25-JI0031246	NCP	%	71			70-130	Pass	
1.4-Dichlorobenzene	S25-JI0031246	NCP	%	72			70-130	Pass	
N-Nitrosodipropylamine	S25-JI0031246	NCP	%	71			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-JI0037520	NCP	%	101			75-125	Pass	
Cadmium	S25-JI0037520	NCP	%	102			75-125	Pass	
Chromium	S25-JI0037520	NCP	%	97			75-125	Pass	
Copper	S25-JI0037520	NCP	%	98			75-125	Pass	
Lead	S25-JI0037520	NCP	%	105			75-125	Pass	
Mercury	S25-JI0037520	NCP	%	102			75-125	Pass	
Nickel	S25-JI0037520	NCP	%	95			75-125	Pass	
Zinc	S25-JI0037520	NCP	%	45			75-125	Fail	Q08
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Trace				Result 1					
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	N25-JI0023986	NCP	%	87			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	N25-JI0023986	NCP	%	100			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1					
Perfluorotridecanoic acid (PFTrDA)	N25-JI0023986	NCP	%	87			50-150	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	S25-JI0036113	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S25-JI0036113	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-JI0036113	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S25-JI0036113	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	S25-JI0036113	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S25-JI0036113	CP	mg/kg	< 50	< 50	<1	30%	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			
Naphthalene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH >C16-C34	S25-Jl0036113	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S25-Jl0036113	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Jl0036113	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Methylene Chloride	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Jl0036113	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S25-Jl0036113	CP	mg/kg	< 2	< 2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Demeton-S	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S25-Jl0036113	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S25-Jl0036113	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Jl0036113	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
1-Chloronaphthalene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S25-Jl0036113	CP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Naphthylamine	S25-Jl0036113	CP	mg/kg	< 1	< 1	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Nitroaniline	S25-Jl0036113	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrotoluene	S25-Jl0036113	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2.6-Dinitrotoluene	S25-Jl0036113	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3-Methylcholanthrene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S25-Jl0036113	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4.4'-DDD	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S25-Jl0036113	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S25-Jl0036113	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S25-Jl0036113	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S25-Jl0036113	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Jl0036115	CP	%	28	28	2.0	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
a-HCH	S25-Jl0032329	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0032329	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	M25-Jl0044537	NCP	mg/kg	1500	1600	5.0	30%	Pass	
Nitrate & Nitrite (as N)	M25-Jl0036532	NCP	mg/kg	66	63	4.0	30%	Pass	
Nitrate (as N)	M25-Jl0036532	NCP	mg/kg	65	63	4.0	30%	Pass	
Nitrite (as N)	M25-Jl0036532	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Total Kjeldahl Nitrogen (as N)	M25-Jl0044537	NCP	mg/kg	65000	69000	7.0	30%	Pass	
Phosphorus	B25-Jl0043799	NCP	mg/kg	35000	34000	4.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Jl0037536	NCP	mg/kg	12	10	12	30%	Pass	
Cadmium	S25-Jl0037536	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Jl0037536	NCP	mg/kg	14	12	15	30%	Pass	
Copper	S25-Jl0037536	NCP	mg/kg	8.6	8.3	3.0	30%	Pass	
Lead	S25-Jl0037536	NCP	mg/kg	15	14	3.0	30%	Pass	
Mercury	S25-Jl0037536	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S25-Jl0037536	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S25-Jl0037536	NCP	mg/kg	24	19	22	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)- Trace				Result 1	Result 2	RPD			
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0039918	NCP	ug/kg	0.7	< 0.1	200	30%	Fail	Q15
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0039918	NCP	ug/kg	< 0.5	0.9	56	30%	Fail	Q15

Comments

Report 1243905-S-V2 (amendment to report 1243905-S) has been issued with revised results for PFASFull - Trace Level on sample 25-JI0036113, following repeat analysis.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	-.6°C
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
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:

Adam Bateup	Analytical Services Manager
Luke Holt	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Mickael Ros	Senior Analyst-Metal
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-PFAS
Ryan Phillips	Senior Analyst-Inorganic
Ryan Phillips	Senior Analyst-Sample Properties



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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SMEC Australia Pty Ltd
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Attention: **STEVEN DRYSDALE**

Report **1243905-W-V2**
Project name LORD HOWE ISLAND ENVIRONMENTAL SERVICES WMF GW SW SED
Project ID 30013573
Received Date Jul 14, 2025

Client Sample ID			**WMFGW01**	**WMFGW02**	**WMFGW03**	**WMFSW01**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**S25-JI0036107**	**S25-JI0036108**	**S25-JI0036109**	**S25-JI0036110**
Date Sampled			**Jul 10, 2025**	**Jul 10, 2025**	**Jul 10, 2025**	**Jul 10, 2025**
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	< 0.05	< 0.05	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 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	< 0.1	< 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	< 0.05	< 0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	< 0.05	< 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	< 0.1	< 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	< 0.1	< 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	%	64	66	73	75
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromoform	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromomethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Chloroform	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Iodomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Isopropyl benzene (Cumene)	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
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Styrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Tetrachloroethene	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
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Total MAH*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4-Bromofluorobenzene (surr.)	1	%	64	66	73	75
Toluene-d8 (surr.)	1	%	73	80	86	89

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
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	%	53	85	75	52
p-Terphenyl-d14 (surr.)	1	%	82	93	102	103
Organochlorine Pesticides						
Chlordanes - Total	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
4.4'-DDD	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
4.4'-DDE	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
4.4'-DDT	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
a-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Aldrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
b-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
d-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Dieldrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Endosulfan I	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Endosulfan II	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Endosulfan sulphate	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Endrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Endrin aldehyde	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Endrin ketone	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
g-HCH (Lindane)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Heptachlor	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Heptachlor epoxide	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Hexachlorobenzene	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Methoxychlor	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Toxaphene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Dibutylchlorendate (surr.)	1	%	104	95	101	74
Tetrachloro-m-xylene (surr.)	1	%	58	99	93	81

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Bolstar	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Chlorfenvinphos	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
Chlorpyrifos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Chlorpyrifos-methyl	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Coumaphos	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
Demeton-S	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Demeton-O	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Diazinon	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Dichlorvos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Dimethoate	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Disulfoton	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
EPN	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Ethion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Ethoprop	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Ethyl parathion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Fenitrothion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Fensulfothion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Fenthion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Malathion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Merphos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Methyl parathion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Mevinphos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Monocrotophos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Naled	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Omethoate	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
Phorate	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Pirimiphos-methyl	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
Pyrazophos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Ronnel	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Terbufos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Tetrachlorvinphos	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Tokuthion	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Trichloronate	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Triphenylphosphate (surr.)	1	%	116	130	120	91
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aroclor-1221	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aroclor-1232	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aroclor-1242	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aroclor-1248	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aroclor-1254	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aroclor-1260	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Total PCB*	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dibutylchlorendate (surr.)	1	%	104	95	101	74
Tetrachloro-m-xylene (surr.)	1	%	58	99	93	81

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
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
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	%	46	61	65	47
Total Non-Halogenated Phenol*	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.0001	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
DDT + DDE + DDD (Total)*	0.0001	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	< 0.03
1-Chloronaphthalene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1-Naphthylamine	0.005	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
1.2-Dichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.2.3-Trichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.2.3.4-Tetrachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.2.3.5-Tetrachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.2.4-Trichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.2.4.5-Tetrachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.3-Dichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.3.5-Trichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
1.4-Dichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2-Chloronaphthalene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2-Chlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
2-Fluorobiphenyl (surr.)	1	%	53	85	75	52
2-Methylnaphthalene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
2-Naphthylamine	0.005	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitroaniline	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2-Nitrophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
2-Picoline	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2.3.4.6-Tetrachlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
2.4-Dichlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
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
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
2.4.6-Tribromophenol (surr.)	1	%	118	98	111	118
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
2.4-Dinitrotoluene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2.6-Dinitrotoluene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006	< 0.006	< 0.006	< 0.006
3-Methylcholanthrene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
3.3'-Dichlorobenzidine	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4-Aminobiphenyl	0.005	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	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
4.4'-DDD	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4.4'-DDE	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4.4'-DDT	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
7.12-Dimethylbenz(a)anthracene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
a-HCH	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
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
Acetophenone	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aldrin	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Aniline	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
b-HCH	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
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
Benzyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Bis(2-ethylhexyl)phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Butyl benzyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
d-HCH	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Di-n-butyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Di-n-octyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a.j)acridine	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dibenzofuran	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dieldrin	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dimethylaminoazobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Diphenylamine	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Endosulfan I	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Endosulfan II	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Endosulfan sulphate	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Endrin	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Endrin aldehyde	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Endrin ketone	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
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
g-HCH (Lindane)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Heptachlor	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Heptachlor epoxide	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Hexachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Hexachlorobutadiene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Hexachlorocyclopentadiene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Hexachloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Methoxychlor	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
N-Nitrosodibutylamine	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
N-Nitrosodipropylamine	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
N-Nitrosopiperidine	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Nitrobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Nitrobenzene-d5 (surr.)	1	%	100	79	98	100
Pentachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Pentachloronitrobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Pentachlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Phenol-d6 (surr.)	1	%	46	61	65	47
Pronamide	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Trifluralin	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Haloethers						
4-Bromophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4-Chlorophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Bis(2-chloroethoxy)methane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Bis(2-chloroisopropyl)ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Ammonia (as N)	0.01	mg/L	0.01	0.02	0.01	0.25
Nitrate & Nitrite (as N)	0.05	mg/L	2.4	1.5	1.2	0.11
Nitrate (as N)	0.02	mg/L	2.4	1.5	1.2	0.11
Nitrite (as N)	0.02	mg/L	0.02	< 0.02	< 0.02	< 0.02
Organic Nitrogen (as N)*	0.2	mg/L	-	0.98	0.99	-
Phosphate total (as P)	0.01	mg/L	3.6	4.8	1.9	0.02
Phosphorus reactive (as P)	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	< 0.2	1.0	1.0	[R09]< 0.2
Total Nitrogen (as N)*	0.2	mg/L	2.4	2.5	2.2	< 0.2

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	0.001	mg/L	0.12	0.069	0.016	< 0.01
Arsenic (filtered)	0.001	mg/L	0.002	0.003	0.002	< 0.01
Cadmium	0.0002	mg/L	0.0016	0.0002	0.0004	< 0.002
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.002
Chromium	0.001	mg/L	0.11	0.071	0.024	< 0.01
Chromium (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.01
Copper	0.001	mg/L	0.12	0.011	0.008	< 0.01
Copper (filtered)	0.001	mg/L	0.002	< 0.001	0.001	< 0.01
Lead	0.001	mg/L	0.071	0.003	0.005	< 0.01
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.01
Mercury	0.0001	mg/L	0.0006	< 0.0001	< 0.0001	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.001
Nickel	0.001	mg/L	0.085	0.050	0.020	< 0.01
Nickel (filtered)	0.001	mg/L	0.002	0.001	0.002	< 0.01
Zinc	0.005	mg/L	0.45	0.036	0.026	< 0.05
Zinc (filtered)	0.005	mg/L	0.006	< 0.005	< 0.005	< 0.05
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace						
Perfluorobutanoic acid (PFBA)[N11]	0.005	ug/L	< 0.005	0.006	< 0.005	< 0.005
Perfluorodecanoic acid (PFDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorododecanoic acid (PFDoDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoroheptanoic acid (PFHpA)[N11]	0.001	ug/L	[N09]0.005	[N09]0.013	[N09]0.004	< 0.001
Perfluorohexanoic acid (PFHxA)[N11]	0.001	ug/L	0.011	0.014	0.005	< 0.001
Perfluorononanoic acid (PFNA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorooctanoic acid (PFOA)[N11]	0.001	ug/L	[N09]0.004	[N09]0.004	[N09]0.006	< 0.001
Perfluoropentanoic acid (PFPeA)[N11]	0.001	ug/L	0.005	0.022	0.004	< 0.001
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorotridecanoic acid (PFTrDA)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoroundecanoic acid (PFUnDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C4-PFBA (surr.)	1	%	91	118	116	81
13C5-PFPeA (surr.)	1	%	80	107	135	95
13C5-PFHxA (surr.)	1	%	97	116	112	93
13C4-PFHpA (surr.)	1	%	125	94	107	98
13C8-PFOA (surr.)	1	%	122	124	130	99
13C5-PFNA (surr.)	1	%	152	105	90	80
13C6-PFDA (surr.)	1	%	129	119	112	83
13C2-PFUnDA (surr.)	1	%	130	109	120	80
13C2-PFDoDA (surr.)	1	%	101	111	114	59
13C2-PFTeDA (surr.)	1	%	50	83	77	25
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.001	ug/L	0.006	< 0.001	0.001	< 0.001
Perfluorononanesulfonic acid (PFNS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.001	ug/L	0.001	< 0.001	< 0.001	< 0.001
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.001	ug/L	[N09]0.008	< 0.001	< 0.001	< 0.001
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.001	ug/L	[N09]0.053	[N09]0.001	[N09]0.002	< 0.001
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.001	ug/L	[N09]0.001	< 0.001	< 0.001	< 0.001
Perfluorooctanesulfonic acid (PFOS)[N11]	0.0001	ug/L	[N09]0.034	[N09]0.0029	[N09]0.0017	0.0004
Perfluorodecanesulfonic acid (PFDS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C3-PFBS (surr.)	1	%	112	151	93	92
18O2-PFHxS (surr.)	1	%	91	102	122	98
13C8-PFOS (surr.)	1	%	101	115	106	75

Client Sample ID			WMFGW01	WMFGW02	WMFGW03	WMFSW01
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036107	S25-JI0036108	S25-JI0036109	S25-JI0036110
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances- Ultra Trace						
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
Perfluorooctane sulfonamide (FOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
13C8-FOSA (surr.)	1	%	105	112	102	97
D3-N-MeFOSA (surr.)	1	%	104	130	112	102
D5-N-EtFOSA (surr.)	1	%	90	136	117	94
D7-N-MeFOSE (surr.)	1	%	67	80	91	58
D9-N-EtFOSE (surr.)	1	%	61	84	85	42
D5-N-EtFOSAA (surr.)	1	%	108	107	107	80
D3-N-MeFOSAA (surr.)	1	%	113	106	102	78
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C2-4:2 FTSA (surr.)	1	%	INT	INT	INT	179
13C2-6:2 FTSA (surr.)	1	%	INT	157	121	126
13C2-8:2 FTSA (surr.)	1	%	INT	139	132	109
13C2-10:2 FTSA (surr.)	1	%	141	113	140	63
PFASs Summations						
Sum (PFHxS + PFOS)*	0.001	ug/L	0.087	0.0039	0.0037	< 0.001
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	0.118	0.0629	0.0237	< 0.005
Sum of PFASs (n=30)*	0.005	ug/L	0.128	0.0629	0.0237	< 0.005

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	< 0.05	-
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	< 0.05	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	< 0.05	< 0.05	< 0.05	-
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
BTEX						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
4-Bromofluorobenzene (surr.)	1	%	100	109	113	-
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Bromoform	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Bromomethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Chloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Chloroform	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Chloromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Iodomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Styrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
Total MAH*	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
4-Bromofluorobenzene (surr.)	1	%	100	109	113	-
Toluene-d8 (surr.)	1	%	95	104	107	-
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
2-Fluorobiphenyl (surr.)	1	%	93	81	121	-
p-Terphenyl-d14 (surr.)	1	%	126	125	110	-
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	-
a-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Aldrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
b-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
d-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	-
g-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	-
Dibutylchlorendate (surr.)	1	%	INT	114	INT	-
Tetrachloro-m-xylene (surr.)	1	%	INT	94	INT	-
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	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	INT	140	INT	-
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aroclor-1221	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aroclor-1232	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aroclor-1242	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aroclor-1248	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aroclor-1254	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aroclor-1260	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Total PCB*	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Dibutylchlorendate (surr.)	1	%	INT	114	INT	-
Tetrachloro-m-xylene (surr.)	1	%	INT	94	INT	-
Phenols (Halogenated)						
2-Chlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2.4-Dichlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2.4.6-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2.6-Dichlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
Pentachlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
Tetrachlorophenols - Total	0.03	mg/L	< 0.03	< 0.03	< 0.03	-
Total Halogenated Phenol*	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	-
2-Nitrophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2.4-Dimethylphenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2.4-Dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	-
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006	< 0.006	< 0.006	-
Total cresols*	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
4-Nitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	-
Dinoseb	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
Phenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
Phenol-d6 (surr.)	1	%	104	48	107	-
Total Non-Halogenated Phenol*	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.0001	mg/L	< 0.005	< 0.005	< 0.005	-
DDT + DDE + DDD (Total)*	0.0001	mg/L	< 0.005	< 0.005	< 0.005	-
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
1-Chloronaphthalene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1-Naphthylamine	0.005	mg/L	< 0.005	< 0.1	< 0.1	-
1.2-Dichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.2.3-Trichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.2.3.4-Tetrachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.2.3.5-Tetrachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.2.4-Trichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.2.4.5-Tetrachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.3-Dichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.3.5-Trichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1.4-Dichlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2-Chloronaphthalene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2-Chlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2-Fluorobiphenyl (surr.)	1	%	93	81	121	-
2-Methylnaphthalene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2-Naphthylamine	0.005	mg/L	< 0.005	< 0.1	< 0.1	-
2-Nitroaniline	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2-Nitrophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2-Picoline	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2.3.4.6-Tetrachlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2.4-Dichlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2.4-Dimethylphenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2.4-Dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	-
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2.4.6-Tribromophenol (surr.)	1	%	139	123	98	-
2.4.6-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2.6-Dichlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
2.4-Dinitrotoluene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2.6-Dinitrotoluene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006	< 0.006	< 0.006	-
3-Methylcholanthrene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
3.3'-Dichlorobenzidine	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
4-Aminobiphenyl	0.005	mg/L	< 0.005	< 0.1	< 0.1	-
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
4-Nitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	-
4.4'-DDD	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
4.4'-DDE	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
4.4'-DDT	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
7.12-Dimethylbenz(a)anthracene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
a-HCH	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Acetophenone	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aldrin	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aniline	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
b-HCH	0.005	mg/L	< 0.005	< 0.005	< 0.005	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Bis(2-ethylhexyl)phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Butyl benzyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
d-HCH	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Di-n-butyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Di-n-octyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Dibenz(a.j)acridine	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Dibenzofuran	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Dieldrin	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Diethyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Dimethyl phthalate	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Dimethylaminoazobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Diphenylamine	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Endosulfan I	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Endosulfan II	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Endosulfan sulphate	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Endrin	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Endrin aldehyde	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Endrin ketone	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
g-HCH (Lindane)	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Heptachlor	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Heptachlor epoxide	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Hexachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Hexachlorobutadiene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Hexachlorocyclopentadiene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Hexachloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Methoxychlor	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
N-Nitrosodibutylamine	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
N-Nitrosodipropylamine	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
N-Nitrosopiperidine	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Nitrobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Nitrobenzene-d5 (surr.)	1	%	139	112	83	-
Pentachlorobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Pentachloronitrobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Pentachlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Phenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
Phenol-d6 (surr.)	1	%	104	48	107	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
Pronamide	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Trifluralin	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Haloethers						
4-Bromophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
4-Chlorophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Bis(2-chloroethoxy)methane	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Bis(2-chloroisopropyl)ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Ammonia (as N)	0.01	mg/L	0.23	0.25	0.17	-
Nitrate & Nitrite (as N)	0.05	mg/L	0.09	0.09	0.08	-
Nitrate (as N)	0.02	mg/L	0.09	0.08	0.07	-
Nitrite (as N)	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
Organic Nitrogen (as N)*	0.2	mg/L	0.27	-	-	-
Phosphate total (as P)	0.01	mg/L	0.02	0.02	0.01	-
Phosphorus reactive (as P)	0.05	mg/L	< 0.05	< 0.05	< 0.05	-
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	0.5	[R09]< 0.2	< 0.2	-
Total Nitrogen (as N)*	0.2	mg/L	0.6	< 0.2	< 0.2	-
Heavy Metals						
Arsenic	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Arsenic (filtered)	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Cadmium	0.0002	mg/L	< 0.002	< 0.002	< 0.002	-
Cadmium (filtered)	0.0002	mg/L	< 0.002	< 0.002	< 0.002	-
Chromium	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Chromium (filtered)	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Copper	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Copper (filtered)	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Lead	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Lead (filtered)	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Mercury	0.0001	mg/L	< 0.001	< 0.001	< 0.001	-
Mercury (filtered)	0.0001	mg/L	< 0.001	< 0.001	< 0.001	-
Nickel	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Nickel (filtered)	0.001	mg/L	< 0.01	< 0.01	< 0.01	-
Zinc	0.005	mg/L	< 0.05	< 0.05	< 0.05	-
Zinc (filtered)	0.005	mg/L	< 0.05	< 0.05	< 0.05	-
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace						
Perfluorobutanoic acid (PFBA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
Perfluorodecanoic acid (PFDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorododecanoic acid (PFDoDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoroheptanoic acid (PFHpA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorohexanoic acid (PFHxA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorononanoic acid (PFNA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorooctanoic acid (PFOA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoropentanoic acid (PFPeA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorotridecanoic acid (PFTrDA)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoroundecanoic acid (PFUnDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
13C4-PFBA (surr.)	1	%	70	75	73	-
13C5-PFPeA (surr.)	1	%	107	105	103	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace						
13C5-PFHxA (surr.)	1	%	89	114	119	-
13C4-PFHpA (surr.)	1	%	102	119	133	-
13C8-PFOA (surr.)	1	%	98	96	130	-
13C5-PFNA (surr.)	1	%	76	98	109	-
13C6-PFDA (surr.)	1	%	90	91	87	-
13C2-PFUnDA (surr.)	1	%	88	83	76	-
13C2-PFDoDA (surr.)	1	%	79	65	62	-
13C2-PFTeDA (surr.)	1	%	53	35	33	-
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorononanesulfonic acid (PFNS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorooctanesulfonic acid (PFOS)[N11]	0.0001	ug/L	0.0003	0.0004	0.0003	-
Perfluorodecanesulfonic acid (PFDS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
13C3-PFBS (surr.)	1	%	80	96	101	-
18O2-PFHxS (surr.)	1	%	89	97	99	-
13C8-PFOS (surr.)	1	%	65	60	71	-
Perfluoroalkyl sulfonamido substances- Ultra Trace						
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
Perfluorooctane sulfonamide (FOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
13C8-FOSA (surr.)	1	%	98	114	88	-
D3-N-MeFOSA (surr.)	1	%	134	108	100	-
D5-N-EtFOSA (surr.)	1	%	110	98	95	-
D7-N-MeFOSE (surr.)	1	%	76	66	58	-
D9-N-EtFOSE (surr.)	1	%	77	55	52	-
D5-N-EtFOSAA (surr.)	1	%	92	84	80	-
D3-N-MeFOSAA (surr.)	1	%	95	84	82	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
13C2-4:2 FTSA (surr.)	1	%	138	179	183	-
13C2-6:2 FTSA (surr.)	1	%	126	137	161	-
13C2-8:2 FTSA (surr.)	1	%	132	127	93	-
13C2-10:2 FTSA (surr.)	1	%	107	69	69	-

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
Sum of PFASs (n=30)*	0.005	ug/L	< 0.005	< 0.005	< 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 (PFTrDA)[N15]	0.01	ug/L	-	-	-	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	-	-	-	< 0.01
13C4-PFBA (surr.)	1	%	-	-	-	131
13C5-PFPeA (surr.)	1	%	-	-	-	129
13C5-PFHxA (surr.)	1	%	-	-	-	136
13C4-PFHpA (surr.)	1	%	-	-	-	150
13C8-PFOA (surr.)	1	%	-	-	-	139
13C5-PFNA (surr.)	1	%	-	-	-	126
13C6-PFDA (surr.)	1	%	-	-	-	139
13C2-PFUnDA (surr.)	1	%	-	-	-	133
13C2-PFDoDA (surr.)	1	%	-	-	-	164
13C2-PFTeDA (surr.)	1	%	-	-	-	165
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	%	-	-	-	131
D3-N-MeFOSA (surr.)	1	%	-	-	-	128
D5-N-EtFOSA (surr.)	1	%	-	-	-	139
D7-N-MeFOSE (surr.)	1	%	-	-	-	124
D9-N-EtFOSE (surr.)	1	%	-	-	-	142
D5-N-EtFOSAA (surr.)	1	%	-	-	-	110
D3-N-MeFOSAA (surr.)	1	%	-	-	-	105
Perfluoroalkyl sulfonic acids (PFSAs)						
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

Client Sample ID			WMFSW02	WMFSW03	SWQA01	PFAS BLANK
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-JI0036111	S25-JI0036112	S25-JI0036116	S25-JI0036120
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
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	%	-	-	-	120
18O2-PFHxS (surr.)	1	%	-	-	-	INT
13C8-PFOS (surr.)	1	%	-	-	-	150
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
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	%	-	-	-	96
13C2-6:2 FTSA (surr.)	1	%	-	-	-	115
13C2-8:2 FTSA (surr.)	1	%	-	-	-	119
13C2-10:2 FTSA (surr.)	1	%	-	-	-	112
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			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-JI0036121	S25-JI0036122	S25-JI0036123	S25-JI0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	-	-	-
TRH C15-C28	0.1	mg/L	< 0.1	-	-	-
TRH C29-C36	0.1	mg/L	< 0.1	-	-	-
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	-	-	-
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	< 0.05	-	-	-
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	-	< 0.01
TRH >C16-C34	0.1	mg/L	< 0.1	-	-	-
TRH >C34-C40	0.1	mg/L	< 0.1	-	-	-
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	-	-	-
BTEX						
Benzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	-	< 0.002

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-Jl0036121	S25-Jl0036122	S25-Jl0036123	S25-Jl0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	110	59	-	59
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	-	-	-
1.1-Dichloroethene	0.001	mg/L	< 0.001	-	-	-
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	-	-	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	-	-	-
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	-	-	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	-	-	-
1.2-Dibromoethane	0.001	mg/L	< 0.001	-	-	-
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	-	-	-
1.2-Dichloroethane	0.001	mg/L	< 0.001	-	-	-
1.2-Dichloropropane	0.001	mg/L	< 0.001	-	-	-
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	-	-	-
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	-	-	-
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	-	-	-
1.3-Dichloropropane	0.001	mg/L	< 0.001	-	-	-
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	-	-	-
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	-	-	-
2-Butanone (MEK)	0.005	mg/L	< 0.005	-	-	-
2-Propanone (Acetone)	0.005	mg/L	< 0.005	-	-	-
4-Chlorotoluene	0.001	mg/L	< 0.001	-	-	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	-	-	-
Allyl chloride	0.001	mg/L	< 0.001	-	-	-
Benzene	0.001	mg/L	< 0.001	-	-	-
Bromobenzene	0.001	mg/L	< 0.001	-	-	-
Bromochloromethane	0.001	mg/L	< 0.001	-	-	-
Bromodichloromethane	0.001	mg/L	< 0.001	-	-	-
Bromoform	0.001	mg/L	< 0.001	-	-	-
Bromomethane	0.005	mg/L	< 0.005	-	-	-
Carbon disulfide	0.001	mg/L	< 0.001	-	-	-
Carbon Tetrachloride	0.001	mg/L	< 0.001	-	-	-
Chlorobenzene	0.001	mg/L	< 0.001	-	-	-
Chloroethane	0.005	mg/L	< 0.005	-	-	-
Chloroform	0.005	mg/L	< 0.005	-	-	-
Chloromethane	0.005	mg/L	< 0.005	-	-	-
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	-	-	-
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	-	-	-
Dibromochloromethane	0.001	mg/L	< 0.001	-	-	-
Dibromomethane	0.001	mg/L	< 0.001	-	-	-
Dichlorodifluoromethane	0.005	mg/L	< 0.005	-	-	-
Ethylbenzene	0.001	mg/L	< 0.001	-	-	-
Iodomethane	0.001	mg/L	< 0.001	-	-	-
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	-	-	-
m&p-Xylenes	0.002	mg/L	< 0.002	-	-	-
Methylene Chloride	0.005	mg/L	< 0.005	-	-	-
o-Xylene	0.001	mg/L	< 0.001	-	-	-
Styrene	0.001	mg/L	< 0.001	-	-	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-JI0036121	S25-JI0036122	S25-JI0036123	S25-JI0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Tetrachloroethene	0.001	mg/L	< 0.001	-	-	-
Toluene	0.001	mg/L	< 0.001	-	-	-
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	-	-	-
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	-	-	-
Trichloroethene	0.001	mg/L	< 0.001	-	-	-
Trichlorofluoromethane	0.005	mg/L	< 0.005	-	-	-
Vinyl chloride	0.005	mg/L	< 0.005	-	-	-
Xylenes - Total*	0.003	mg/L	< 0.003	-	-	-
Total MAH*	0.003	mg/L	< 0.003	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	-	-	-
4-Bromofluorobenzene (surr.)	1	%	110	-	-	-
Toluene-d8 (surr.)	1	%	103	-	-	-
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	-	-	-
Acenaphthylene	0.001	mg/L	< 0.001	-	-	-
Anthracene	0.001	mg/L	< 0.001	-	-	-
Benz(a)anthracene	0.001	mg/L	< 0.001	-	-	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	-	-	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	-	-	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	-	-	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	-	-	-
Chrysene	0.001	mg/L	< 0.001	-	-	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	-	-	-
Fluoranthene	0.001	mg/L	< 0.001	-	-	-
Fluorene	0.001	mg/L	< 0.001	-	-	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	-	-	-
Naphthalene	0.001	mg/L	< 0.001	-	-	-
Phenanthrene	0.001	mg/L	< 0.001	-	-	-
Pyrene	0.001	mg/L	< 0.001	-	-	-
Total PAH*	0.001	mg/L	< 0.001	-	-	-
2-Fluorobiphenyl (surr.)	1	%	60	-	-	-
p-Terphenyl-d14 (surr.)	1	%	121	-	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.002	mg/L	< 0.002	-	-	-
4.4'-DDD	0.0002	mg/L	< 0.0002	-	-	-
4.4'-DDE	0.0002	mg/L	< 0.0002	-	-	-
4.4'-DDT	0.0002	mg/L	< 0.0002	-	-	-
a-HCH	0.0002	mg/L	< 0.0002	-	-	-
Aldrin	0.0002	mg/L	< 0.0002	-	-	-
b-HCH	0.0002	mg/L	< 0.0002	-	-	-
d-HCH	0.0002	mg/L	< 0.0002	-	-	-
Dieldrin	0.0002	mg/L	< 0.0002	-	-	-
Endosulfan I	0.0002	mg/L	< 0.0002	-	-	-
Endosulfan II	0.0002	mg/L	< 0.0002	-	-	-
Endosulfan sulphate	0.0002	mg/L	< 0.0002	-	-	-
Endrin	0.0002	mg/L	< 0.0002	-	-	-
Endrin aldehyde	0.0002	mg/L	< 0.0002	-	-	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-JI0036121	S25-JI0036122	S25-JI0036123	S25-JI0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin ketone	0.0002	mg/L	< 0.0002	-	-	-
g-HCH (Lindane)	0.0002	mg/L	< 0.0002	-	-	-
Heptachlor	0.0002	mg/L	< 0.0002	-	-	-
Heptachlor epoxide	0.0002	mg/L	< 0.0002	-	-	-
Hexachlorobenzene	0.0002	mg/L	< 0.0002	-	-	-
Methoxychlor	0.0002	mg/L	< 0.0002	-	-	-
Toxaphene	0.005	mg/L	< 0.005	-	-	-
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002	-	-	-
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002	-	-	-
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002	-	-	-
Dibutylchlorendate (surr.)	1	%	INT	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	115	-	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.002	mg/L	< 0.002	-	-	-
Bolstar	0.002	mg/L	< 0.002	-	-	-
Chlorfenvinphos	0.02	mg/L	< 0.02	-	-	-
Chlorpyrifos	0.002	mg/L	< 0.002	-	-	-
Chlorpyrifos-methyl	0.002	mg/L	< 0.002	-	-	-
Coumaphos	0.02	mg/L	< 0.02	-	-	-
Demeton-S	0.002	mg/L	< 0.002	-	-	-
Demeton-O	0.002	mg/L	< 0.002	-	-	-
Diazinon	0.002	mg/L	< 0.002	-	-	-
Dichlorvos	0.002	mg/L	< 0.002	-	-	-
Dimethoate	0.002	mg/L	< 0.002	-	-	-
Disulfoton	0.002	mg/L	< 0.002	-	-	-
EPN	0.002	mg/L	< 0.002	-	-	-
Ethion	0.002	mg/L	< 0.002	-	-	-
Ethoprop	0.002	mg/L	< 0.002	-	-	-
Ethyl parathion	0.002	mg/L	< 0.002	-	-	-
Fenitrothion	0.002	mg/L	< 0.002	-	-	-
Fensulfothion	0.002	mg/L	< 0.002	-	-	-
Fenthion	0.002	mg/L	< 0.002	-	-	-
Malathion	0.002	mg/L	< 0.002	-	-	-
Merphos	0.002	mg/L	< 0.002	-	-	-
Methyl parathion	0.002	mg/L	< 0.002	-	-	-
Mevinphos	0.002	mg/L	< 0.002	-	-	-
Monocrotophos	0.002	mg/L	< 0.002	-	-	-
Naled	0.002	mg/L	< 0.002	-	-	-
Omethoate	0.02	mg/L	< 0.02	-	-	-
Phorate	0.002	mg/L	< 0.002	-	-	-
Pirimiphos-methyl	0.02	mg/L	< 0.02	-	-	-
Pyrazophos	0.002	mg/L	< 0.002	-	-	-
Ronnel	0.002	mg/L	< 0.002	-	-	-
Terbufos	0.002	mg/L	< 0.002	-	-	-
Tetrachlorvinphos	0.002	mg/L	< 0.002	-	-	-
Tokuthion	0.002	mg/L	< 0.002	-	-	-
Trichloronate	0.002	mg/L	< 0.002	-	-	-
Triphenylphosphate (surr.)	1	%	INT	-	-	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-Jl0036121	S25-Jl0036122	S25-Jl0036123	S25-Jl0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	< 0.005	-	-	-
Aroclor-1221	0.005	mg/L	< 0.005	-	-	-
Aroclor-1232	0.005	mg/L	< 0.005	-	-	-
Aroclor-1242	0.005	mg/L	< 0.005	-	-	-
Aroclor-1248	0.005	mg/L	< 0.005	-	-	-
Aroclor-1254	0.005	mg/L	< 0.005	-	-	-
Aroclor-1260	0.005	mg/L	< 0.005	-	-	-
Total PCB*	0.005	mg/L	< 0.005	-	-	-
Dibutylchlorendate (surr.)	1	%	INT	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	115	-	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.003	mg/L	< 0.003	-	-	-
2.4-Dichlorophenol	0.003	mg/L	< 0.003	-	-	-
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01	-	-	-
2.4.6-Trichlorophenol	0.01	mg/L	< 0.01	-	-	-
2.6-Dichlorophenol	0.003	mg/L	< 0.003	-	-	-
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01	-	-	-
Pentachlorophenol	0.01	mg/L	< 0.01	-	-	-
Tetrachlorophenols - Total	0.03	mg/L	< 0.03	-	-	-
Total Halogenated Phenol*	0.01	mg/L	< 0.01	-	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	0.1	mg/L	< 0.1	-	-	-
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03	-	-	-
2-Nitrophenol	0.01	mg/L	< 0.01	-	-	-
2.4-Dimethylphenol	0.003	mg/L	< 0.003	-	-	-
2.4-Dinitrophenol	0.03	mg/L	< 0.03	-	-	-
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006	-	-	-
Total cresols*	0.01	mg/L	< 0.01	-	-	-
4-Nitrophenol	0.03	mg/L	< 0.03	-	-	-
Dinoseb	0.1	mg/L	< 0.1	-	-	-
Phenol	0.003	mg/L	< 0.003	-	-	-
Phenol-d6 (surr.)	1	%	36	-	-	-
Total Non-Halogenated Phenol*	0.1	mg/L	< 0.1	-	-	-
Semivolatile Organics						
Aldrin and Dieldrin (Total)*	0.0001	mg/L	< 0.005	-	-	-
DDT + DDE + DDD (Total)*	0.0001	mg/L	< 0.005	-	-	-
Total PAH*	0.001	mg/L	< 0.001	-	-	-
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03	-	-	-
1-Chloronaphthalene	0.005	mg/L	< 0.005	-	-	-
1-Naphthylamine	0.005	mg/L	< 0.01	-	-	-
1.2-Dichlorobenzene	0.005	mg/L	< 0.005	-	-	-
1.2.3-Trichlorobenzene	0.005	mg/L	< 0.005	-	-	-
1.2.3.4-Tetrachlorobenzene	0.005	mg/L	< 0.005	-	-	-
1.2.3.5-Tetrachlorobenzene	0.005	mg/L	< 0.005	-	-	-
1.2.4-Trichlorobenzene	0.005	mg/L	< 0.005	-	-	-
1.2.4.5-Tetrachlorobenzene	0.005	mg/L	< 0.005	-	-	-
1.3-Dichlorobenzene	0.005	mg/L	< 0.005	-	-	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-Jl0036121	S25-Jl0036122	S25-Jl0036123	S25-Jl0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
1.3.5-Trichlorobenzene	0.005	mg/L	< 0.005	-	-	-
1.4-Dichlorobenzene	0.005	mg/L	< 0.005	-	-	-
2-Chloronaphthalene	0.005	mg/L	< 0.005	-	-	-
2-Chlorophenol	0.003	mg/L	< 0.003	-	-	-
2-Fluorobiphenyl (surr.)	1	%	60	-	-	-
2-Methylnaphthalene	0.005	mg/L	< 0.005	-	-	-
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003	-	-	-
2-Naphthylamine	0.005	mg/L	< 0.01	-	-	-
2-Nitroaniline	0.005	mg/L	< 0.005	-	-	-
2-Nitrophenol	0.01	mg/L	< 0.01	-	-	-
2-Picoline	0.005	mg/L	< 0.005	-	-	-
2.3.4.6-Tetrachlorophenol	0.01	mg/L	< 0.01	-	-	-
2.4-Dichlorophenol	0.003	mg/L	< 0.003	-	-	-
2.4-Dimethylphenol	0.003	mg/L	< 0.003	-	-	-
2.4-Dinitrophenol	0.03	mg/L	< 0.03	-	-	-
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01	-	-	-
2.4.6-Tribromophenol (surr.)	1	%	89	-	-	-
2.4.6-Trichlorophenol	0.01	mg/L	< 0.01	-	-	-
2.6-Dichlorophenol	0.003	mg/L	< 0.003	-	-	-
2.4-Dinitrotoluene	0.005	mg/L	< 0.005	-	-	-
2.6-Dinitrotoluene	0.005	mg/L	< 0.005	-	-	-
2.4-Dinitrotoluene + 2.6-Dinitrotoluene*	0.005	mg/L	< 0.005	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006	-	-	-
3-Methylcholanthrene	0.005	mg/L	< 0.005	-	-	-
3.3'-Dichlorobenzidine	0.005	mg/L	< 0.005	-	-	-
4-Aminobiphenyl	0.005	mg/L	< 0.01	-	-	-
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01	-	-	-
4-Nitrophenol	0.03	mg/L	< 0.03	-	-	-
4.4'-DDD	0.005	mg/L	< 0.005	-	-	-
4.4'-DDE	0.005	mg/L	< 0.005	-	-	-
4.4'-DDT	0.005	mg/L	< 0.005	-	-	-
7.12-Dimethylbenz(a)anthracene	0.005	mg/L	< 0.005	-	-	-
a-HCH	0.005	mg/L	< 0.005	-	-	-
Acenaphthene	0.001	mg/L	< 0.001	-	-	-
Acenaphthylene	0.001	mg/L	< 0.001	-	-	-
Acetophenone	0.005	mg/L	< 0.005	-	-	-
Aldrin	0.005	mg/L	< 0.005	-	-	-
Aniline	0.005	mg/L	< 0.005	-	-	-
Anthracene	0.001	mg/L	< 0.001	-	-	-
b-HCH	0.005	mg/L	< 0.005	-	-	-
Benz(a)anthracene	0.001	mg/L	< 0.001	-	-	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	-	-	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	-	-	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	-	-	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	-	-	-
Benzyl chloride	0.005	mg/L	< 0.005	-	-	-
Bis(2-ethylhexyl)phthalate	0.005	mg/L	< 0.005	-	-	-
Butyl benzyl phthalate	0.005	mg/L	< 0.005	-	-	-
Chrysene	0.001	mg/L	< 0.001	-	-	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-JI0036121	S25-JI0036122	S25-JI0036123	S25-JI0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Semivolatile Organics						
d-HCH	0.005	mg/L	< 0.005	-	-	-
Di-n-butyl phthalate	0.005	mg/L	< 0.005	-	-	-
Di-n-octyl phthalate	0.005	mg/L	< 0.005	-	-	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	-	-	-
Dibenz(a.j)acridine	0.005	mg/L	< 0.005	-	-	-
Dibenzofuran	0.005	mg/L	< 0.005	-	-	-
Dieldrin	0.005	mg/L	< 0.005	-	-	-
Diethyl phthalate	0.005	mg/L	< 0.005	-	-	-
Dimethyl phthalate	0.005	mg/L	< 0.005	-	-	-
Dimethylaminoazobenzene	0.005	mg/L	< 0.005	-	-	-
Diphenylamine	0.005	mg/L	< 0.005	-	-	-
Endosulfan I	0.005	mg/L	< 0.005	-	-	-
Endosulfan II	0.005	mg/L	< 0.005	-	-	-
Endosulfan sulphate	0.005	mg/L	< 0.005	-	-	-
Endrin	0.005	mg/L	< 0.005	-	-	-
Endrin aldehyde	0.005	mg/L	< 0.005	-	-	-
Endrin ketone	0.005	mg/L	< 0.005	-	-	-
Fluoranthene	0.001	mg/L	< 0.001	-	-	-
Fluorene	0.001	mg/L	< 0.001	-	-	-
g-HCH (Lindane)	0.005	mg/L	< 0.005	-	-	-
Heptachlor	0.005	mg/L	< 0.005	-	-	-
Heptachlor epoxide	0.005	mg/L	< 0.005	-	-	-
Hexachlorobenzene	0.005	mg/L	< 0.005	-	-	-
Hexachlorobutadiene	0.005	mg/L	< 0.005	-	-	-
Hexachlorocyclopentadiene	0.005	mg/L	< 0.005	-	-	-
Hexachloroethane	0.005	mg/L	< 0.005	-	-	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	-	-	-
Methoxychlor	0.005	mg/L	< 0.005	-	-	-
N-Nitrosodibutylamine	0.005	mg/L	< 0.005	-	-	-
N-Nitrosodipropylamine	0.005	mg/L	< 0.005	-	-	-
N-Nitrosopiperidine	0.005	mg/L	< 0.005	-	-	-
Naphthalene	0.001	mg/L	< 0.001	-	-	-
Nitrobenzene	0.005	mg/L	< 0.005	-	-	-
Nitrobenzene-d5 (surr.)	1	%	80	-	-	-
Pentachlorobenzene	0.005	mg/L	< 0.005	-	-	-
Pentachloronitrobenzene	0.005	mg/L	< 0.005	-	-	-
Pentachlorophenol	0.01	mg/L	< 0.01	-	-	-
Phenanthrene	0.001	mg/L	< 0.001	-	-	-
Phenol	0.003	mg/L	< 0.003	-	-	-
Phenol-d6 (surr.)	1	%	36	-	-	-
Pronamide	0.005	mg/L	< 0.005	-	-	-
Pyrene	0.001	mg/L	< 0.001	-	-	-
Trifluralin	0.005	mg/L	< 0.005	-	-	-
Haloethers						
4-Bromophenyl phenyl ether	0.005	mg/L	< 0.005	-	-	-
4-Chlorophenyl phenyl ether	0.005	mg/L	< 0.005	-	-	-
Bis(2-chloroethoxy)methane	0.005	mg/L	< 0.005	-	-	-
Bis(2-chloroisopropyl)ether	0.005	mg/L	< 0.005	-	-	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-JI0036121	S25-JI0036122	S25-JI0036123	S25-JI0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Ammonia (as N)	0.01	mg/L	0.02	-	-	-
Nitrate & Nitrite (as N)	0.05	mg/L	< 0.05	-	-	-
Nitrate (as N)	0.02	mg/L	< 0.02	-	-	-
Nitrite (as N)	0.02	mg/L	< 0.02	-	-	-
Organic Nitrogen (as N)*	0.2	mg/L	-	-	-	-
Phosphate total (as P)	0.01	mg/L	< 0.01	-	-	-
Phosphorus reactive (as P)	0.05	mg/L	< 0.05	-	-	-
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	< 0.2	-	-	-
Total Nitrogen (as N)*	0.2	mg/L	< 0.2	-	-	-
TRH C6-C10	1	%	-	-	71	-
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) - Ultra Trace						
Perfluorobutanoic acid (PFBA)[N11]	0.005	ug/L	< 0.005	-	-	-
Perfluorodecanoic acid (PFDA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluorohexanoic acid (PFHxA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluorononanoic acid (PFNA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluorooctanoic acid (PFOA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluoropentanoic acid (PFPeA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	0.001	ug/L	< 0.001	-	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	0.001	ug/L	< 0.001	-	-	-
13C4-PFBA (surr.)	1	%	119	-	-	-
13C5-PFPeA (surr.)	1	%	112	-	-	-
13C5-PFHxA (surr.)	1	%	111	-	-	-
13C4-PFHpA (surr.)	1	%	116	-	-	-
13C8-PFOA (surr.)	1	%	114	-	-	-
13C5-PFNA (surr.)	1	%	89	-	-	-
13C6-PFDA (surr.)	1	%	98	-	-	-
13C2-PFUnDA (surr.)	1	%	100	-	-	-
13C2-PFDoDA (surr.)	1	%	85	-	-	-
13C2-PFTeDA (surr.)	1	%	77	-	-	-
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	0.001	ug/L	< 0.001	-	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.001	ug/L	< 0.001	-	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.001	ug/L	< 0.001	-	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.001	ug/L	< 0.001	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.001	ug/L	< 0.001	-	-	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-JI0036121	S25-JI0036122	S25-JI0036123	S25-JI0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace						
Perfluorooctanesulfonic acid (PFOS)[N11]	0.0001	ug/L	0.0001	-	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	0.001	ug/L	< 0.001	-	-	-
13C3-PFBS (surr.)	1	%	111	-	-	-
18O2-PFHxS (surr.)	1	%	104	-	-	-
13C8-PFOS (surr.)	1	%	86	-	-	-
Perfluoroalkyl sulfonamido substances- Ultra Trace						
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.005	ug/L	< 0.005	-	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.005	ug/L	< 0.005	-	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.005	ug/L	< 0.005	-	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.005	ug/L	< 0.005	-	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.005	ug/L	< 0.005	-	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.005	ug/L	< 0.005	-	-	-
Perfluorooctane sulfonamide (FOSA)[N11]	0.005	ug/L	< 0.005	-	-	-
13C8-FOSA (surr.)	1	%	95	-	-	-
D3-N-MeFOSA (surr.)	1	%	107	-	-	-
D5-N-EtFOSA (surr.)	1	%	92	-	-	-
D7-N-MeFOSE (surr.)	1	%	88	-	-	-
D9-N-EtFOSE (surr.)	1	%	80	-	-	-
D5-N-EtFOSAA (surr.)	1	%	103	-	-	-
D3-N-MeFOSAA (surr.)	1	%	92	-	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.001	ug/L	< 0.001	-	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.005	ug/L	< 0.005	-	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.001	ug/L	< 0.001	-	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.001	ug/L	< 0.001	-	-	-
13C2-4:2 FTSA (surr.)	1	%	191	-	-	-
13C2-6:2 FTSA (surr.)	1	%	171	-	-	-
13C2-8:2 FTSA (surr.)	1	%	162	-	-	-
13C2-10:2 FTSA (surr.)	1	%	113	-	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.001	ug/L	< 0.001	-	-	-
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	< 0.005	-	-	-
Sum of PFASs (n=30)*	0.005	ug/L	< 0.005	-	-	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	-	-	82	-
TRH C6-C9	1	%	-	-	72	-
BTEX						
Benzene	1	%	-	-	110	-
Ethylbenzene	1	%	-	-	98	-
m&p-Xylenes	1	%	-	-	100	-
o-Xylene	1	%	-	-	95	-
Toluene	1	%	-	-	110	-

Client Sample ID			RINSATE01	TRIP BLANK01	TRIP SPIKE01	TRIP BLANK02
Sample Matrix			Water	Trip Blank (liquid)	Trip Spike (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S25-JI0036121	S25-JI0036122	S25-JI0036123	S25-JI0036124
Date Sampled			Jul 10, 2025	Jul 10, 2025	Jul 10, 2025	Jul 10, 2025
Test/Reference	LOR	Unit				
BTEX						
Xylenes - Total	1	%	-	-	97	-
4-Bromofluorobenzene (surr.)	1	%	-	-	65	-

Client Sample ID			TRIP SPIKE02
Sample Matrix			Trip Spike (liquid)
Eurofins Sample No.			S25-JI0036125
Date Sampled			Jul 10, 2025
Test/Reference	LOR	Unit	
TRH C6-C10	1	%	89
Total Recoverable Hydrocarbons			
Naphthalene	1	%	72
TRH C6-C9	1	%	91
BTEX			
Benzene	1	%	130
Ethylbenzene	1	%	110
m&p-Xylenes	1	%	110
o-Xylene	1	%	100
Toluene	1	%	110
Xylenes - Total	1	%	100
4-Bromofluorobenzene (surr.)	1	%	60

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	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jul 14, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Jul 14, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Jul 14, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (Halogenated)	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Jul 14, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Jul 14, 2025	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Jul 15, 2025	7 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Jul 15, 2025	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P			
Ammonia (as N)	Melbourne	Jul 15, 2025	28 Days
- Method: APHA 4500-NH3 Ammonia Nitrogen by FIA			
Nitrate & Nitrite (as N)	Melbourne	Jul 15, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrate (as N)	Melbourne	Jul 15, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrite (as N)	Melbourne	Jul 15, 2025	2 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Organic Nitrogen (as N)*	Melbourne	Jul 14, 2025	7 Days
- Method: APHA 4500 Organic Nitrogen (N)			
Phosphorus reactive (as P)	Sydney	Jul 14, 2025	28 Days
- Method: E052 Reactive phosphate (as P)			
Total Kjeldahl Nitrogen (as N)	Melbourne	Jul 15, 2025	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P			
Phosphate total (as P)	Sydney	Jul 14, 2025	28 Days
- Method: E052 Total Phosphate (as P)			
Metals M8 filtered	Sydney	Jul 15, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace	Sydney	Jul 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			

Description	Testing Site	Extracted	Holding Time
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace	Sydney	Jul 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			
Perfluoroalkyl sulfonamido substances- Ultra Trace	Sydney	Jul 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) Ultra trace			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace	Sydney	Jul 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			
PFASs Summations	Sydney	Jul 14, 2025	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Jul 14, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Jul 14, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Jul 14, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Jul 14, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Project Name: LORD HOWE ISLAND ENVIRONMENTAL SERVICES WMF GW SW SED
Project ID: 30013573

Order No.:
Report #: 1243905
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 14, 2025 1:11 PM
Due: Jul 22, 2025
Priority: 3 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Split - External Lab*	Metals M8 filtered	Eurofins Suite B15	Moisture Set	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254												X	X		X			
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory						X												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**													
1	WMFGW01	Jul 10, 2025		Water	S25-Jl0036107		X	X		X		X	X				X	
2	WMFGW02	Jul 10, 2025		Water	S25-Jl0036108		X	X		X		X	X				X	
3	WMFGW03	Jul 10, 2025		Water	S25-Jl0036109		X	X		X		X	X				X	
4	WMFSW01	Jul 10, 2025		Water	S25-Jl0036110		X	X		X		X	X				X	
5	WMFSW02	Jul 10, 2025		Water	S25-Jl0036111		X	X		X		X	X				X	
6	WMFSW03	Jul 10, 2025		Water	S25-Jl0036112		X	X		X		X	X				X	
7	WMFSED01	Jul 10, 2025		Soil	S25-Jl0036113			X	X	X		X			X			X
8	WMFSED02	Jul 10, 2025		Soil	S25-Jl0036114			X	X	X		X			X			X
9	WMFSED03	Jul 10, 2025		Soil	S25-Jl0036115			X	X	X		X			X			X
10	SWQA01	Jul 10, 2025		Water	S25-Jl0036116		X	X		X		X	X				X	
11	SWQA01A	Jul 10, 2025		Water	S25-Jl0036117	X												
12	SEDQA01	Jul 10, 2025		Soil	S25-Jl0036118			X	X	X		X			X			X
13	SEDQA01A	Jul 10, 2025		Soil	S25-Jl0036119	X												

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Eurofins Environment Testing Australia Pty Ltd
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Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254												X	X		X			
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X
14	PFAS BLANK	Jul 10, 2025		Water	S25-Jl0036120									X				
15	RINSATE01	Jul 10, 2025		Water	S25-Jl0036121			X		X		X	X				X	
16	TRIP BLANK01	Jul 10, 2025		Trip Blank (liquid)	S25-Jl0036122						X							
17	TRIP SPIKE01	Jul 10, 2025		Trip Spike (liquid)	S25-Jl0036123											X		
18	TRIP BLANK02	Jul 10, 2025		Trip Blank (liquid)	S25-Jl0036124						X							
19	TRIP SPIKE02	Jul 10, 2025		Trip Spike (liquid)	S25-Jl0036125											X		
Test Counts						2	7	12	4	12	2	12	8	1	4	2	8	4

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 (*bis*-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 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							
Phenols (Halogenated)							
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2.4-Dichlorophenol	mg/L	< 0.003			0.003	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	
Method Blank							
Phenols (non-Halogenated)							
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dimethylphenol	mg/L	< 0.003			0.003	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	
Phenol	mg/L	< 0.003			0.003	Pass	
Method Blank							
Semivolatile Organics							
1-Chloronaphthalene	mg/L	< 0.005			0.005	Pass	
1-Naphthylamine	mg/L	< 0.005			0.005	Pass	
1.2-Dichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.3-Trichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.3.4-Tetrachlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.3.5-Tetrachlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.4-Trichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.4.5-Tetrachlorobenzene	mg/L	< 0.005			0.005	Pass	
1.3-Dichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.3.5-Trichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.4-Dichlorobenzene	mg/L	< 0.005			0.005	Pass	
2-Chloronaphthalene	mg/L	< 0.005			0.005	Pass	
2-Methylnaphthalene	mg/L	< 0.005			0.005	Pass	
2-Naphthylamine	mg/L	< 0.005			0.005	Pass	
2-Nitroaniline	mg/L	< 0.005			0.005	Pass	
2-Picoline	mg/L	< 0.005			0.005	Pass	
2.3.4.6-Tetrachlorophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dinitrotoluene	mg/L	< 0.005			0.005	Pass	
2.6-Dinitrotoluene	mg/L	< 0.005			0.005	Pass	
3-Methylcholanthrene	mg/L	< 0.005			0.005	Pass	
3.3'-Dichlorobenzidine	mg/L	< 0.005			0.005	Pass	
4-Aminobiphenyl	mg/L	< 0.005			0.005	Pass	
4.4'-DDD	mg/L	< 0.005			0.005	Pass	
4.4'-DDE	mg/L	< 0.005			0.005	Pass	
4.4'-DDT	mg/L	< 0.005			0.005	Pass	
7.12-Dimethylbenz(a)anthracene	mg/L	< 0.005			0.005	Pass	
a-HCH	mg/L	< 0.005			0.005	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Acetophenone	mg/L	< 0.005			0.005	Pass	
Aldrin	mg/L	< 0.005			0.005	Pass	
Aniline	mg/L	< 0.005			0.005	Pass	
b-HCH	mg/L	< 0.005			0.005	Pass	
Benzyl chloride	mg/L	< 0.005			0.005	Pass	
Bis(2-ethylhexyl)phthalate	mg/L	< 0.005			0.005	Pass	
Butyl benzyl phthalate	mg/L	< 0.005			0.005	Pass	
d-HCH	mg/L	< 0.005			0.005	Pass	
Di-n-butyl phthalate	mg/L	< 0.005			0.005	Pass	
Di-n-octyl phthalate	mg/L	< 0.005			0.005	Pass	
Dibenz(a.j)acridine	mg/L	< 0.005			0.005	Pass	
Dibenzofuran	mg/L	< 0.005			0.005	Pass	
Dieldrin	mg/L	< 0.005			0.005	Pass	
Diethyl phthalate	mg/L	< 0.005			0.005	Pass	
Dimethyl phthalate	mg/L	< 0.005			0.005	Pass	
Dimethylaminoazobenzene	mg/L	< 0.005			0.005	Pass	
Diphenylamine	mg/L	< 0.005			0.005	Pass	
Endosulfan I	mg/L	< 0.005			0.005	Pass	
Endosulfan II	mg/L	< 0.005			0.005	Pass	
Endosulfan sulphate	mg/L	< 0.005			0.005	Pass	
Endrin	mg/L	< 0.005			0.005	Pass	
Endrin ketone	mg/L	< 0.005			0.005	Pass	
g-HCH (Lindane)	mg/L	< 0.005			0.005	Pass	
Heptachlor	mg/L	< 0.005			0.005	Pass	
Heptachlor epoxide	mg/L	< 0.005			0.005	Pass	
Hexachlorobenzene	mg/L	< 0.005			0.005	Pass	
Hexachlorobutadiene	mg/L	< 0.005			0.005	Pass	
Hexachlorocyclopentadiene	mg/L	< 0.005			0.005	Pass	
Hexachloroethane	mg/L	< 0.005			0.005	Pass	
Methoxychlor	mg/L	< 0.005			0.005	Pass	
N-Nitrosodibutylamine	mg/L	< 0.005			0.005	Pass	
N-Nitrosodipropylamine	mg/L	< 0.005			0.005	Pass	
N-Nitrosopiperidine	mg/L	< 0.005			0.005	Pass	
Nitrobenzene	mg/L	< 0.005			0.005	Pass	
Pentachlorobenzene	mg/L	< 0.005			0.005	Pass	
Pentachloronitrobenzene	mg/L	< 0.005			0.005	Pass	
Pronamide	mg/L	< 0.005			0.005	Pass	
Trifluralin	mg/L	< 0.005			0.005	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
4-Chlorophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
Bis(2-chloroethoxy)methane	mg/L	< 0.005			0.005	Pass	
Bis(2-chloroisopropyl)ether	mg/L	< 0.005			0.005	Pass	
Method Blank							
Ammonia (as N)	mg/L	< 0.01			0.01	Pass	
Nitrate & Nitrite (as N)	mg/L	< 0.05			0.05	Pass	
Nitrate (as N)	mg/L	< 0.02			0.02	Pass	
Nitrite (as N)	mg/L	< 0.02			0.02	Pass	
Phosphate total (as P)	mg/L	< 0.01			0.01	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.005			0.005	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.001			0.001	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.001			0.001	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.001			0.001	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.001			0.001	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.001			0.001	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.001			0.001	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.001			0.001	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/L	< 0.001			0.001	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.001			0.001	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.001			0.001	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.001			0.001	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.001			0.001	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.001			0.001	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.001			0.001	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.001			0.001	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.0001			0.0001	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.001			0.001	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances- Ultra Trace							
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.005			0.005	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.005			0.005	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.005			0.005	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.005			0.005	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.005			0.005	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.005			0.005	Pass	
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.005			0.005	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.001			0.001	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.005			0.005	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.001			0.001	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.001			0.001	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace							
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.0001			0.0001	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	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.005			0.005	Pass	
2-Propanone (Acetone)	mg/L	< 0.005			0.005	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.005			0.005	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.005			0.005	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.005			0.005	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.005			0.005	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	
Dichlorodifluoromethane	mg/L	< 0.005			0.005	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
Methylene Chloride	mg/L	< 0.005			0.005	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.005			0.005	Pass	
Vinyl chloride	mg/L	< 0.005			0.005	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
Polychlorinated Biphenyls							
Aroclor-1016	mg/L	< 0.005			0.005	Pass	
Aroclor-1221	mg/L	< 0.005			0.005	Pass	
Aroclor-1232	mg/L	< 0.005			0.005	Pass	
Aroclor-1242	mg/L	< 0.005			0.005	Pass	
Aroclor-1248	mg/L	< 0.005			0.005	Pass	
Aroclor-1254	mg/L	< 0.005			0.005	Pass	
Aroclor-1260	mg/L	< 0.005			0.005	Pass	
Total PCB*	mg/L	< 0.005			0.005	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							
Semivolatile Organics							
1-Chloronaphthalene	mg/L	< 0.005			0.005	Pass	
1-Naphthylamine	mg/L	< 0.005			0.005	Pass	
1.2-Dichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.3-Trichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.3.4-Tetrachlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.3.5-Tetrachlorobenzene	mg/L	< 0.005			0.005	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.2.4-Trichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.2.4.5-Tetrachlorobenzene	mg/L	< 0.005			0.005	Pass	
1.3-Dichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.3.5-Trichlorobenzene	mg/L	< 0.005			0.005	Pass	
1.4-Dichlorobenzene	mg/L	< 0.005			0.005	Pass	
2-Chloronaphthalene	mg/L	< 0.005			0.005	Pass	
2-Methylnaphthalene	mg/L	< 0.005			0.005	Pass	
2-Naphthylamine	mg/L	< 0.005			0.005	Pass	
2-Nitroaniline	mg/L	< 0.005			0.005	Pass	
2-Picoline	mg/L	< 0.005			0.005	Pass	
2.3.4.6-Tetrachlorophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dinitrotoluene	mg/L	< 0.005			0.005	Pass	
2.6-Dinitrotoluene	mg/L	< 0.005			0.005	Pass	
3-Methylcholanthrene	mg/L	< 0.005			0.005	Pass	
3.3'-Dichlorobenzidine	mg/L	< 0.005			0.005	Pass	
4-Aminobiphenyl	mg/L	< 0.005			0.005	Pass	
4.4'-DDD	mg/L	< 0.005			0.005	Pass	
4.4'-DDE	mg/L	< 0.005			0.005	Pass	
4.4'-DDT	mg/L	< 0.005			0.005	Pass	
7.12-Dimethylbenz(a)anthracene	mg/L	< 0.005			0.005	Pass	
a-HCH	mg/L	< 0.005			0.005	Pass	
Acetophenone	mg/L	< 0.005			0.005	Pass	
Aldrin	mg/L	< 0.005			0.005	Pass	
Aniline	mg/L	< 0.005			0.005	Pass	
b-HCH	mg/L	< 0.005			0.005	Pass	
Benzyl chloride	mg/L	< 0.005			0.005	Pass	
Bis(2-ethylhexyl)phthalate	mg/L	< 0.005			0.005	Pass	
Butyl benzyl phthalate	mg/L	< 0.005			0.005	Pass	
d-HCH	mg/L	< 0.005			0.005	Pass	
Di-n-butyl phthalate	mg/L	< 0.005			0.005	Pass	
Di-n-octyl phthalate	mg/L	< 0.005			0.005	Pass	
Dibenz(a.j)acridine	mg/L	< 0.005			0.005	Pass	
Dibenzofuran	mg/L	< 0.005			0.005	Pass	
Dieldrin	mg/L	< 0.005			0.005	Pass	
Diethyl phthalate	mg/L	< 0.005			0.005	Pass	
Dimethyl phthalate	mg/L	< 0.005			0.005	Pass	
Dimethylaminoazobenzene	mg/L	< 0.005			0.005	Pass	
Diphenylamine	mg/L	< 0.005			0.005	Pass	
Endosulfan I	mg/L	< 0.005			0.005	Pass	
Endosulfan II	mg/L	< 0.005			0.005	Pass	
Endosulfan sulphate	mg/L	< 0.005			0.005	Pass	
Endrin	mg/L	< 0.005			0.005	Pass	
Endrin aldehyde	mg/L	< 0.005			0.005	Pass	
Endrin ketone	mg/L	< 0.005			0.005	Pass	
g-HCH (Lindane)	mg/L	< 0.005			0.005	Pass	
Heptachlor	mg/L	< 0.005			0.005	Pass	
Heptachlor epoxide	mg/L	< 0.005			0.005	Pass	
Hexachlorobenzene	mg/L	< 0.005			0.005	Pass	
Hexachlorobutadiene	mg/L	< 0.005			0.005	Pass	
Hexachlorocyclopentadiene	mg/L	< 0.005			0.005	Pass	
Hexachloroethane	mg/L	< 0.005			0.005	Pass	
Methoxychlor	mg/L	< 0.005			0.005	Pass	
N-Nitrosodibutylamine	mg/L	< 0.005			0.005	Pass	
N-Nitrosodipropylamine	mg/L	< 0.005			0.005	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-Nitrosopiperidine	mg/L	< 0.005			0.005	Pass	
Nitrobenzene	mg/L	< 0.005			0.005	Pass	
Pentachlorobenzene	mg/L	< 0.005			0.005	Pass	
Pentachloronitrobenzene	mg/L	< 0.005			0.005	Pass	
Pronamide	mg/L	< 0.005			0.005	Pass	
Trifluralin	mg/L	< 0.005			0.005	Pass	
Method Blank							
Haloethers							
4-Bromophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
4-Chlorophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
Bis(2-chloroethoxy)methane	mg/L	< 0.005			0.005	Pass	
Bis(2-chloroisopropyl)ether	mg/L	< 0.005			0.005	Pass	
Method Blank							
Phosphorus reactive (as P)	mg/L	< 0.05			0.05	Pass	
Total Kjeldahl Nitrogen (as N)	mg/L	< 0.2			0.2	Pass	
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 (PFTrDA)	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 (PFSAs)							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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 FTSAs)							
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							
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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							
Polychlorinated Biphenyls							
Aroclor-1016	mg/L	< 0.005			0.005	Pass	
Aroclor-1221	mg/L	< 0.005			0.005	Pass	
Aroclor-1232	mg/L	< 0.005			0.005	Pass	
Aroclor-1242	mg/L	< 0.005			0.005	Pass	
Aroclor-1248	mg/L	< 0.005			0.005	Pass	
Aroclor-1254	mg/L	< 0.005			0.005	Pass	
Aroclor-1260	mg/L	< 0.005			0.005	Pass	
Total PCB*	mg/L	< 0.005			0.005	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)							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
Semivolatile Organics							
Endrin aldehyde	mg/L	< 0.005			0.005	Pass	
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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	90			70-130	Pass	
TRH >C10-C16	%	87			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Benzo(g.h.i)perylene	%	104			70-130	Pass	
Benzo(k)fluoranthene	%	97			70-130	Pass	
Chrysene	%	100			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
4.4'-DDT	%	92			70-130	Pass	
Endosulfan sulphate	%	81			70-130	Pass	
Endrin	%	82			70-130	Pass	
Endrin aldehyde	%	80			70-130	Pass	
Endrin ketone	%	75			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	86			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	47			25-140	Pass	
4-Chloro-3-methylphenol	%	49			25-140	Pass	
Pentachlorophenol	%	56			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
4-Nitrophenol	%	48			25-140	Pass	
Phenol	%	34			25-140	Pass	
LCS - % Recovery							
Ammonia (as N)	%	87			70-130	Pass	
Nitrate & Nitrite (as N)	%	94			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nitrite (as N)	%	74			70-130	Pass	
Phosphorus reactive (as P)	%	97			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace							
Perfluorobutanoic acid (PFBA)	%	74			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	96			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	99			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	96			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	90			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	80			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	93			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	83			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	90			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace							
Perfluorobutanesulfonic acid (PFBS)	%	86			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	99			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	74			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	102			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	99			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	96			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	86			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	86			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances- Ultra Trace							
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	86			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	86			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	86			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	77			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	77			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	83			50-150	Pass	
Perfluorooctane sulfonamide (FOSA)	%	99			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	80			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	118			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	96			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	96			50-150	Pass	
LCS - % Recovery							
Phosphate total (as P)	%	96			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace							
Perfluorooctanesulfonic acid (PFOS)	%	80			50-150	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
Naphthalene	%	92			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	106			70-130	Pass	
Toluene	%	94			70-130	Pass	
Ethylbenzene	%	103			70-130	Pass	
m&p-Xylenes	%	106			70-130	Pass	
o-Xylene	%	111			70-130	Pass	
Xylenes - Total*	%	107			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	95			70-130	Pass	
1.1.1-Trichloroethane	%	92			70-130	Pass	
1.2-Dichlorobenzene	%	105			70-130	Pass	
1.2-Dichloroethane	%	96			70-130	Pass	
Trichloroethene	%	107			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	76			70-130	Pass	
Anthracene	%	90			70-130	Pass	
Benz(a)anthracene	%	112			70-130	Pass	
Benzo(a)pyrene	%	112			70-130	Pass	
Benzo(b&j)fluoranthene	%	107			70-130	Pass	
Benzo(g.h.i)perylene	%	110			70-130	Pass	
Benzo(k)fluoranthene	%	117			70-130	Pass	
Chrysene	%	118			70-130	Pass	
Dibenz(a.h)anthracene	%	108			70-130	Pass	
Fluoranthene	%	105			70-130	Pass	
Fluorene	%	81			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	107			70-130	Pass	
Phenanthrene	%	88			70-130	Pass	
Pyrene	%	107			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	99			70-130	Pass	
4.4'-DDD	%	103			70-130	Pass	
4.4'-DDE	%	102			70-130	Pass	
4.4'-DDT	%	121			70-130	Pass	
a-HCH	%	82			70-130	Pass	
Aldrin	%	83			70-130	Pass	
b-HCH	%	100			70-130	Pass	
d-HCH	%	100			70-130	Pass	
Dieldrin	%	104			70-130	Pass	
Endosulfan I	%	99			70-130	Pass	
Endosulfan II	%	109			70-130	Pass	
Endosulfan sulphate	%	112			70-130	Pass	
Endrin	%	112			70-130	Pass	
Endrin aldehyde	%	81			70-130	Pass	
Endrin ketone	%	110			70-130	Pass	
g-HCH (Lindane)	%	90			70-130	Pass	
Heptachlor	%	87			70-130	Pass	
Heptachlor epoxide	%	97			70-130	Pass	
Hexachlorobenzene	%	80			70-130	Pass	
Methoxychlor	%	98			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	90			70-130	Pass	
Dimethoate	%	82			70-130	Pass	
Ethion	%	97			70-130	Pass	
Fenitrothion	%	92			70-130	Pass	
Methyl parathion	%	91			70-130	Pass	
Mevinphos	%	88			70-130	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Polychlorinated Biphenyls							
Aroclor-1260	%	107			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	61			25-140	Pass	
2.4-Dichlorophenol	%	66			25-140	Pass	
2.4.5-Trichlorophenol	%	65			25-140	Pass	
2.4.6-Trichlorophenol	%	63			25-140	Pass	
2.6-Dichlorophenol	%	61			25-140	Pass	
4-Chloro-3-methylphenol	%	71			25-140	Pass	
Pentachlorophenol	%	82			25-140	Pass	
Tetrachlorophenols - Total	%	79			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	92			25-140	Pass	
2-Methyl-4.6-dinitrophenol	%	80			25-140	Pass	
2-Nitrophenol	%	67			25-140	Pass	
2.4-Dimethylphenol	%	62			25-140	Pass	
2.4-Dinitrophenol	%	68			25-140	Pass	
2-Methylphenol (o-Cresol)	%	61			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	58			25-140	Pass	
4-Nitrophenol	%	34			25-140	Pass	
Dinoseb	%	88			25-140	Pass	
Phenol	%	36			25-140	Pass	
LCS - % Recovery							
Total Kjeldahl Nitrogen (as N)	%	88			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Cadmium	%	84			80-120	Pass	
Chromium	%	81			80-120	Pass	
Copper	%	91			80-120	Pass	
Lead	%	81			80-120	Pass	
Mercury	%	87			80-120	Pass	
Nickel	%	80			80-120	Pass	
Zinc	%	80			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	91			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	74			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	77			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	78			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	71			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	88			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	77			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	56			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	84			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	96			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	88			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	77			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	78			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	56			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	90			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	80			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	89			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	87			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	80			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	108			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	82			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	87			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	79			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	98			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	85			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	109			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	92			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	93			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)	%	81			50-150	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	102			70-130	Pass	
Acenaphthylene	%	92			70-130	Pass	
Anthracene	%	112			70-130	Pass	
Benz(a)anthracene	%	124			70-130	Pass	
Benzo(a)pyrene	%	129			70-130	Pass	
Benzo(b&j)fluoranthene	%	116			70-130	Pass	
Dibenz(a.h)anthracene	%	125			70-130	Pass	
Fluoranthene	%	119			70-130	Pass	
Fluorene	%	110			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	123			70-130	Pass	
Phenanthrene	%	109			70-130	Pass	
Pyrene	%	122			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	122			70-130	Pass	
4.4'-DDD	%	122			70-130	Pass	
4.4'-DDE	%	124			70-130	Pass	
a-HCH	%	120			70-130	Pass	
Aldrin	%	110			70-130	Pass	
b-HCH	%	125			70-130	Pass	
d-HCH	%	129			70-130	Pass	
Dieldrin	%	127			70-130	Pass	
Endosulfan I	%	122			70-130	Pass	
Endosulfan II	%	124			70-130	Pass	
g-HCH (Lindane)	%	129			70-130	Pass	
Heptachlor	%	116			70-130	Pass	
Heptachlor epoxide	%	116			70-130	Pass	
Hexachlorobenzene	%	116			70-130	Pass	
Methoxychlor	%	107			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Dimethoate	%	95			70-130	Pass	
Ethion	%	115			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fenitrothion	%	102			70-130	Pass	
Methyl parathion	%	95			70-130	Pass	
Mevinphos	%	115			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	98			70-130	Pass	
Aroclor-1260	%	124			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	87			25-140	Pass	
2.4-Dichlorophenol	%	47			25-140	Pass	
2.4.5-Trichlorophenol	%	95			25-140	Pass	
2.4.6-Trichlorophenol	%	81			25-140	Pass	
2.6-Dichlorophenol	%	77			25-140	Pass	
4-Chloro-3-methylphenol	%	88			25-140	Pass	
Pentachlorophenol	%	69			25-140	Pass	
Tetrachlorophenols - Total	%	91			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	75			25-140	Pass	
2-Methyl-4.6-dinitrophenol	%	71			25-140	Pass	
2-Nitrophenol	%	84			25-140	Pass	
2.4-Dimethylphenol	%	93			25-140	Pass	
2.4-Dinitrophenol	%	52			25-140	Pass	
2-Methylphenol (o-Cresol)	%	90			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	84			25-140	Pass	
4-Nitrophenol	%	36			25-140	Pass	
Dinoseb	%	80			25-140	Pass	
Phenol	%	53			25-140	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	89			80-120	Pass	
Cadmium	%	94			80-120	Pass	
Chromium	%	92			80-120	Pass	
Copper	%	91			80-120	Pass	
Lead	%	85			80-120	Pass	
Mercury	%	92			80-120	Pass	
Nickel	%	90			80-120	Pass	
Zinc	%	91			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	86			70-130	Pass	
TRH C6-C10	%	86			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	S25-Jl0041540	NCP	%	82			70-130	Pass	
TRH >C10-C16	S25-Jl0041540	NCP	%	75			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDT	S25-Jl0034358	NCP	%	79			70-130	Pass	
Endosulfan sulphate	S25-Jl0034358	NCP	%	72			70-130	Pass	
Endrin aldehyde	S25-Jl0034358	NCP	%	74			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
				Result 1					
Ammonia (as N)	M25-Jl0032624	NCP	%	94			70-130	Pass	
Nitrate & Nitrite (as N)	M25-Jl0032624	NCP	%	80			70-130	Pass	
Nitrite (as N)	M25-Jl0032624	NCP	%	103			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	N25-Jl0031188	NCP	%	99			75-125	Pass	
Cadmium	N25-Jl0031188	NCP	%	96			75-125	Pass	
Chromium	N25-Jl0031188	NCP	%	84			75-125	Pass	
Copper	N25-Jl0031188	NCP	%	87			75-125	Pass	
Lead	N25-Jl0031188	NCP	%	83			75-125	Pass	
Mercury	N25-Jl0031188	NCP	%	88			75-125	Pass	
Nickel	N25-Jl0031188	NCP	%	75			75-125	Pass	
Zinc	N25-Jl0031188	NCP	%	70			75-125	Fail	Q08
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace				Result 1					
Perfluorobutanoic acid (PFBA)	N25-Jl0031413	NCP	%	74			50-150	Pass	
Perfluorodecanoic acid (PFDA)	N25-Jl0031413	NCP	%	77			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	N25-Jl0031413	NCP	%	90			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	N25-Jl0031413	NCP	%	93			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	N25-Jl0031413	NCP	%	86			50-150	Pass	
Perfluorononanoic acid (PFNA)	N25-Jl0031413	NCP	%	90			50-150	Pass	
Perfluorooctanoic acid (PFOA)	N25-Jl0031413	NCP	%	106			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	N25-Jl0031413	NCP	%	90			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	N25-Jl0031413	NCP	%	90			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	N25-Jl0031413	NCP	%	93			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	N25-Jl0031413	NCP	%	93			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	N25-Jl0031413	NCP	%	70			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	N25-Jl0031413	NCP	%	90			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	N25-Jl0031413	NCP	%	64			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	N25-Jl0031413	NCP	%	70			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	N25-Jl0031413	NCP	%	83			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	N25-Jl0031413	NCP	%	86			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0039209	NCP	%	96			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	N25-Jl0031413	NCP	%	77			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Ultra Trace				Result 1					
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	N25-Jl0031413	NCP	%	83			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	N25-Jl0031413	NCP	%	83			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	N25-Jl0031413	NCP	%	86			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	N25-Jl0031413	NCP	%	83			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	N25-Jl0031413	NCP	%	90			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	N25-Jl0031413	NCP	%	83			50-150	Pass	
Perfluorooctane sulfonamide (FOSA)	N25-Jl0031413	NCP	%	83			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	N25-Jl0031413	NCP	%	125			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	N25-Jl0031413	NCP	%	93			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	N25-Jl0031413	NCP	%	93			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	N25-Jl0031413	NCP	%	125			50-150	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDT	S25-Jl0034358	NCP	%	79			70-130	Pass	
Endosulfan sulphate	S25-Jl0034358	NCP	%	72			70-130	Pass	
Endrin aldehyde	S25-Jl0034358	NCP	%	74			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	S25-Jl0036108	CP	%	64			30-130	Pass	
4-Chloro-3-methylphenol	S25-Jl0036108	CP	%	65			30-130	Pass	
Pentachlorophenol	S25-Jl0036108	CP	%	65			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
4-Nitrophenol	S25-Jl0036108	CP	%	34			30-130	Pass	
Phenol	S25-Jl0036108	CP	%	38			30-130	Pass	
Spike - % Recovery									
				Result 1					
Phosphorus reactive (as P)	S25-Jl0036108	CP	%	83			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	N25-Jl0031188	NCP	%	99			75-125	Pass	
Cadmium	N25-Jl0031188	NCP	%	96			75-125	Pass	
Chromium	N25-Jl0031188	NCP	%	84			75-125	Pass	
Copper	N25-Jl0031188	NCP	%	87			75-125	Pass	
Lead	N25-Jl0031188	NCP	%	83			75-125	Pass	
Mercury	N25-Jl0031188	NCP	%	88			75-125	Pass	
Nickel	S25-Jl0033238	NCP	%	96			75-125	Pass	
Zinc	N25-Jl0031188	NCP	%	70			75-125	Fail	Q08
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace				Result 1					
Perfluorobutanoic acid (PFBA)	S25-Jl0039209	NCP	%	83			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S25-Jl0039209	NCP	%	83			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S25-Jl0039209	NCP	%	99			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S25-Jl0039209	NCP	%	70			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S25-Jl0039209	NCP	%	93			50-150	Pass	
Perfluorononanoic acid (PFNA)	S25-Jl0039209	NCP	%	80			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorooctanoic acid (PFOA)	S25-Jl0039209	NCP	%	77			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S25-Jl0039209	NCP	%	70			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S25-Jl0039209	NCP	%	90			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S25-Jl0039209	NCP	%	77			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S25-Jl0039209	NCP	%	83			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S25-Jl0039209	NCP	%	96			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S25-Jl0039209	NCP	%	77			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S25-Jl0039209	NCP	%	83			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S25-Jl0039209	NCP	%	74			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0039209	NCP	%	77			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S25-Jl0039209	NCP	%	96			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	N25-Jl0046375	NCP	%	118			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S25-Jl0039209	NCP	%	64			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Ultra Trace				Result 1					
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S25-Jl0039209	NCP	%	74			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S25-Jl0039209	NCP	%	77			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S25-Jl0039209	NCP	%	77			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S25-Jl0039209	NCP	%	74			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S25-Jl0039209	NCP	%	77			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S25-Jl0039209	NCP	%	67			50-150	Pass	
Perfluorooctane sulfonamide (FOSA)	S25-Jl0039209	NCP	%	80			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S25-Jl0039209	NCP	%	90			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0039209	NCP	%	93			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S25-Jl0039209	NCP	%	70			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S25-Jl0039209	NCP	%	83			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Jl0033238	NCP	%	95			75-125	Pass	
Cadmium	S25-Jl0033238	NCP	%	98			75-125	Pass	
Chromium	S25-Jl0033238	NCP	%	99			75-125	Pass	
Copper	S25-Jl0033238	NCP	%	96			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Lead	S25-Jl0033238	NCP	%	94			75-125	Pass	
Mercury	S25-Jl0033238	NCP	%	103			75-125	Pass	
Nickel	N25-Jl0035736	NCP	%	86			75-125	Pass	
Zinc	S25-Jl0033238	NCP	%	96			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace				Result 1					
Perfluorobutanoic acid (PFBA)	N25-Jl0046375	NCP	%	108			50-150	Pass	
Perfluorodecanoic acid (PFDA)	N25-Jl0046375	NCP	%	104			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	N25-Jl0046375	NCP	%	96			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	N25-Jl0046375	NCP	%	96			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	N25-Jl0046375	NCP	%	94			50-150	Pass	
Perfluorononanoic acid (PFNA)	N25-Jl0046375	NCP	%	98			50-150	Pass	
Perfluorooctanoic acid (PFOA)	N25-Jl0046375	NCP	%	100			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	N25-Jl0046375	NCP	%	112			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	N25-Jl0046375	NCP	%	98			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	N25-Jl0046375	NCP	%	104			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	N25-Jl0046375	NCP	%	92			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	N25-Jl0046375	NCP	%	76			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	N25-Jl0046375	NCP	%	88			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	N25-Jl0046375	NCP	%	80			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	N25-Jl0046375	NCP	%	80			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	N25-Jl0046375	NCP	%	94			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	N25-Jl0046375	NCP	%	104			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	N25-Jl0046375	NCP	%	78			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Ultra Trace				Result 1					
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	N25-Jl0046375	NCP	%	80			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	N25-Jl0046375	NCP	%	94			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	N25-Jl0046375	NCP	%	94			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	N25-Jl0046375	NCP	%	86			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	N25-Jl0046375	NCP	%	104			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	N25-Jl0046375	NCP	%	92			50-150	Pass	
Perfluorooctane sulfonamide (FOSA)	N25-Jl0046375	NCP	%	94			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	N25-Jl0046375	NCP	%	80			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	N25-JI0046375	NCP	%	136			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	N25-JI0046375	NCP	%	116			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	N25-JI0046375	NCP	%	92			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	N25-JI0035736	NCP	%	101			75-125	Pass	
Cadmium	N25-JI0035736	NCP	%	97			75-125	Pass	
Chromium	N25-JI0035736	NCP	%	91			75-125	Pass	
Copper	N25-JI0035736	NCP	%	82			75-125	Pass	
Lead	N25-JI0035736	NCP	%	84			75-125	Pass	
Mercury	N25-JI0035736	NCP	%	94			75-125	Pass	
Zinc	N25-JI0035736	NCP	%	81			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S25-JI0043903	NCP	%	94			70-130	Pass	
TRH C6-C10	S25-JI0043903	NCP	%	93			70-130	Pass	
Naphthalene	N25-JI0031190	NCP	%	91			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	N25-JI0031190	NCP	%	115			70-130	Pass	
Toluene	N25-JI0031190	NCP	%	102			70-130	Pass	
Ethylbenzene	N25-JI0031190	NCP	%	106			70-130	Pass	
m&p-Xylenes	N25-JI0031190	NCP	%	114			70-130	Pass	
o-Xylene	N25-JI0031190	NCP	%	119			70-130	Pass	
Xylenes - Total*	N25-JI0031190	NCP	%	116			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	N25-JI0031190	NCP	%	103			70-130	Pass	
1.1.1-Trichloroethane	N25-JI0031190	NCP	%	98			70-130	Pass	
1.2-Dichlorobenzene	N25-JI0031190	NCP	%	112			70-130	Pass	
1.2-Dichloroethane	N25-JI0031190	NCP	%	104			70-130	Pass	
Trichloroethene	N25-JI0031190	NCP	%	116			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	S25-JI0039372	NCP	%	71			30-130	Pass	
2.4-Dichlorophenol	S25-JI0039372	NCP	%	75			30-130	Pass	
2.4.5-Trichlorophenol	S25-JI0039372	NCP	%	77			30-130	Pass	
2.4.6-Trichlorophenol	S25-JI0039372	NCP	%	75			30-130	Pass	
4-Chloro-3-methylphenol	S25-JI0039372	NCP	%	72			30-130	Pass	
Pentachlorophenol	S25-JI0039372	NCP	%	71			30-130	Pass	
Tetrachlorophenols - Total	S25-JI0039372	NCP	%	83			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4.6-dinitrophenol	S25-JI0039372	NCP	%	74			30-130	Pass	
2-Nitrophenol	S25-JI0039372	NCP	%	78			30-130	Pass	
Dinoseb	S25-JI0039372	NCP	%	75			30-130	Pass	
Spike - % Recovery									
				Result 1					
Phosphate total (as P)	S25-JI0036111	CP	%	89			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Volatile Organics				Result 1					
1.1-Dichloroethene	N25-JI0031190	NCP	%	103			70-130	Pass	
1.1.1-Trichloroethane	N25-JI0031190	NCP	%	98			70-130	Pass	
1.2-Dichlorobenzene	N25-JI0031190	NCP	%	112			70-130	Pass	
1.2-Dichloroethane	N25-JI0031190	NCP	%	104			70-130	Pass	
Trichloroethene	N25-JI0031190	NCP	%	116			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-JI0039372	NCP	%	97			70-130	Pass	
Acenaphthylene	S25-JI0039372	NCP	%	87			70-130	Pass	
Anthracene	S25-JI0039372	NCP	%	108			70-130	Pass	
Benz(a)anthracene	S25-JI0039372	NCP	%	98			70-130	Pass	
Benzo(a)pyrene	S25-JI0039372	NCP	%	105			70-130	Pass	
Benzo(b&j)fluoranthene	S25-JI0039372	NCP	%	95			70-130	Pass	
Benzo(g.h.i)perylene	S25-JI0039372	NCP	%	103			70-130	Pass	
Benzo(k)fluoranthene	S25-JI0039372	NCP	%	121			70-130	Pass	
Chrysene	S25-JI0039372	NCP	%	114			70-130	Pass	
Dibenz(a.h)anthracene	S25-JI0039372	NCP	%	101			70-130	Pass	
Fluoranthene	S25-JI0039372	NCP	%	98			70-130	Pass	
Fluorene	S25-JI0039372	NCP	%	97			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S25-JI0039372	NCP	%	102			70-130	Pass	
Phenanthrene	S25-JI0039372	NCP	%	93			70-130	Pass	
Pyrene	S25-JI0039372	NCP	%	102			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2.4-Dichlorophenol	S25-JI0039372	NCP	%	75			30-130	Pass	
2.4.5-Trichlorophenol	S25-JI0039372	NCP	%	77			30-130	Pass	
2.4.6-Trichlorophenol	S25-JI0039372	NCP	%	75			30-130	Pass	
Tetrachlorophenols - Total	S25-JI0039372	NCP	%	83			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4.6-dinitrophenol	S25-JI0039372	NCP	%	74			30-130	Pass	
2-Nitrophenol	S25-JI0039372	NCP	%	78			30-130	Pass	
Dinoseb	S25-JI0039372	NCP	%	75			30-130	Pass	
Spike - % Recovery									
				Result 1					
Total Kjeldahl Nitrogen (as N)	S25-JI0036121	CP	%	91			70-130	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 C10-C14	S25-JI0041625	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S25-JI0041625	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S25-JI0041625	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C10-C16	S25-JI0041625	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S25-JI0041625	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S25-JI0041625	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-JI0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	S25-JI0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	S25-JI0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	S25-JI0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	S25-JI0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-JI0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Benzo(g.h.i)perylene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	S25-Jl0034353	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
4.4'-DDD	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDE	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDT	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Aldrin	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
b-HCH	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
d-HCH	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Dieldrin	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan I	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan II	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin aldehyde	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin ketone	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Methoxychlor	S25-Jl0034353	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Toxaphene	S25-Jl0034353	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Bolstar	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorfenvinphos	S25-Jl0034353	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Chlorpyrifos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorpyrifos-methyl	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Coumaphos	S25-Jl0034353	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Demeton-S	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Demeton-O	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Diazinon	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dichlorvos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dimethoate	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Disulfoton	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
EPN	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethoprop	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethyl parathion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fenitrothion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fensulfothion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fenthion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Malathion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Merphos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Methyl parathion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Mevinphos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Monocrotophos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Naled	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Omethoate	S25-Jl0034353	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Phorate	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Pirimiphos-methyl	S25-Jl0034353	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Pyrazophos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ronnel	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Terbufos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Tetrachlorvinphos	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Tokuthion	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Trichloronate	S25-Jl0034353	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
1-Chloronaphthalene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.2.3-Trichlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.2.4-Trichlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.3.5-Trichlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Chloronaphthalene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Methylnaphthalene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Nitroaniline	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Picoline	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S25-Jl0036107	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.4-Dinitrotoluene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2.6-Dinitrotoluene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
3-Methylcholanthrene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
3.3'-Dichlorobenzidine	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4.4'-DDD	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4.4'-DDE	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4.4'-DDT	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Acetophenone	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aldrin	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aniline	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Benzyl chloride	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Butyl benzyl phthalate	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Di-n-butyl phthalate	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Di-n-octyl phthalate	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Dibenz(a.j)acridine	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Dibenzofuran	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Dieldrin	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Diethyl phthalate	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Dimethyl phthalate	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Dimethylaminoazobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Diphenylamine	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Endosulfan I	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Endosulfan II	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Endosulfan sulphate	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Endrin	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Endrin aldehyde	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Endrin ketone	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Heptachlor	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Heptachlor epoxide	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Hexachlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Hexachlorobutadiene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Hexachlorocyclopentadiene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Hexachloroethane	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Methoxychlor	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
N-Nitrosodibutylamine	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
N-Nitrosodipropylamine	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
N-Nitrosopiperidine	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Nitrobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Pentachlorobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Pentachloronitrobenzene	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Pronamide	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Trifluralin	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Haloethers				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S25-Jl0036107	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	M25-Jl0032623	NCP	mg/L	0.84	0.83	1.0	30%	Pass	
Nitrate & Nitrite (as N)	M25-Jl0032623	NCP	mg/L	0.12	0.11	6.0	30%	Pass	
Nitrite (as N)	M25-Jl0032623	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Phosphorus reactive (as P)	S25-Jl0036107	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0046985	NCP	ug/L	0.0003	< 0.0001	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances- Ultra Trace				Result 1	Result 2	RPD			
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
Perfluorooctane sulfonamide (FOSA)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	N25-Jl0031412	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	N25-Jl0031412	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S25-Jl0039371	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
4-Chloro-3-methylphenol	S25-Jl0039371	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Pentachlorophenol	S25-Jl0039371	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
4-Nitrophenol	S25-Jl0039371	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
Phenol	S25-Jl0039371	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphate total (as P)	S25-Jl0036110	CP	mg/L	0.02	0.02	19	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Jl0039378	NCP	mg/L	0.02	0.02	4.0	30%	Pass	
TRH C6-C10	S25-Jl0039378	NCP	mg/L	0.02	0.02	1.0	30%	Pass	
Naphthalene	S25-Jl0039378	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Jl0039378	NCP	mg/L	0.001	0.001	10	30%	Pass	
Toluene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S25-Jl0039378	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S25-Jl0039378	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1-Dichloroethene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2-Trichloroethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	S25-Jl0039378	NCP	mg/L	0.006	0.006	3.0	30%	Pass	
1.2-Dichloropropane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
2-Butanone (MEK)	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromochloromethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromodichloromethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromoform	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromomethane	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Carbon disulfide	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Carbon Tetrachloride	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chlorobenzene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chloroethane	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloroform	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloromethane	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
cis-1.2-Dichloroethene	S25-Jl0039378	NCP	mg/L	0.003	0.003	8.0	30%	Pass	
cis-1.3-Dichloropropene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromochloromethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromomethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dichlorodifluoromethane	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Iodomethane	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Isopropyl benzene (Cumene)	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Methylene Chloride	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Styrene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Tetrachloroethene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.2-Dichloroethene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.3-Dichloropropene	S25-Jl0039378	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichloroethene	S25-Jl0039378	NCP	mg/L	0.002	0.002	3.0	30%	Pass	
Trichlorofluoromethane	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Vinyl chloride	S25-Jl0039378	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2.4-Dichlorophenol	S25-Jl0039371	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2.6-Dichlorophenol	S25-Jl0039371	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Nitrophenol	S25-Jl0039371	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.4-Dimethylphenol	S25-Jl0039371	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S25-Jl0039371	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Jl0039371	NCP	mg/L	< 0.006	< 0.006	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus reactive (as P)	S25-Jl0036116	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Total Kjeldahl Nitrogen (as N)	S25-Jl0036116	CP	mg/L	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0036120	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S25-Jl0036120	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
a-HCH	S25-Jl0039371	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
g-HCH (Lindane)	S25-Jl0039371	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1221	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1232	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1242	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1248	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1254	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Aroclor-1260	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Total PCB*	S25-Jl0039371	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2.4.5-Trichlorophenol	S25-Jl0039371	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.4.6-Trichlorophenol	S25-Jl0039371	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Tetrachlorophenols - Total	S25-Jl0039371	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S25-Jl0039371	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S25-Jl0039371	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
2.4-Dinitrophenol	S25-Jl0039371	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
Dinoseb	S25-Jl0039371	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Jl0036121	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium	S25-Jl0036121	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S25-Jl0036121	CP	mg/L	< 0.001	0.023	200	30%	Fail	Q15
Copper	S25-Jl0036121	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	S25-Jl0036121	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S25-Jl0036121	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S25-Jl0036121	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Zinc	S25-Jl0036121	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Comments

Report 1243905-W-V2 (amendment to report 1243905-W) has been issued with revised results for PFASFull - Trace Level on sample 25-JI0036113, following repeat analysis.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	-.6°C
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).
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.
R09	Theoretically the TKN result should be greater or equal to the ammonia concentration. However the difference reported is within the measurement uncertainty of the individual tests

Authorised by:

Adam Bateup	Analytical Services Manager
Luke Holt	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Inorganic
Mickael Ros	Senior Analyst-Metal
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-PFAS
Ryan Phillips	Senior Analyst-Inorganic



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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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Project Name: LORD HOWE ISLAND ENVIRONMENTAL SERVICES WMF GW SW SED
Project ID: 30013573

Order No.:
Report #: 1243905
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 14, 2025 1:11 PM
Due: Jul 22, 2025
Priority: 3 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Split - External Lab*	Metals M8 filtered	Eurofins Suite B15	Moisture Set	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254							X	X		X			
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory	X												

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID											
1	WMFGW01	Jul 10, 2025		Water	S25-Jl0036107		X	X		X		X	X				X	
2	WMFGW02	Jul 10, 2025		Water	S25-Jl0036108		X	X		X		X	X				X	
3	WMFGW03	Jul 10, 2025		Water	S25-Jl0036109		X	X		X		X	X				X	
4	WMFSW01	Jul 10, 2025		Water	S25-Jl0036110		X	X		X		X	X				X	
5	WMFSW02	Jul 10, 2025		Water	S25-Jl0036111		X	X		X		X	X				X	
6	WMFSW03	Jul 10, 2025		Water	S25-Jl0036112		X	X		X		X	X				X	
7	WMFSED01	Jul 10, 2025		Soil	S25-Jl0036113			X	X	X		X			X			X
8	WMFSED02	Jul 10, 2025		Soil	S25-Jl0036114			X	X	X		X			X			X
9	WMFSED03	Jul 10, 2025		Soil	S25-Jl0036115			X	X	X		X			X			X
10	SWQA01	Jul 10, 2025		Water	S25-Jl0036116		X	X		X		X	X				X	
11	SWQA01A	Jul 10, 2025		Water	S25-Jl0036117	X												
12	SEDQA01	Jul 10, 2025		Soil	S25-Jl0036118			X	X	X		X			X			X
13	SEDQA01A	Jul 10, 2025		Soil	S25-Jl0036119	X												

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Order No.:
Report #: 1243905
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 14, 2025 1:11 PM
Due: Jul 22, 2025
Priority: 3 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Split - External Lab*	Metals M8 filtered	Eurofins Suite B15	Moisture Set	Eurofins Suite B7A	BTEXN and Volatile TRH	Eurofins Suite SVV: SVOC/VOC	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19E: Total N, TKN, NOx, NO2, NO3, NH3, Total P, Reactive P	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254												X	X		X			
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X
14	PFAS BLANK	Jul 10, 2025		Water	S25-Jl0036120									X				
15	RINSATE01	Jul 10, 2025		Water	S25-Jl0036121			X		X		X	X				X	
16	TRIP BLANK01	Jul 10, 2025		Trip Blank (liquid)	S25-Jl0036122						X							
17	TRIP SPIKE01	Jul 10, 2025		Trip Spike (liquid)	S25-Jl0036123											X		
18	TRIP BLANK02	Jul 10, 2025		Trip Blank (liquid)	S25-Jl0036124						X							
19	TRIP SPIKE02	Jul 10, 2025		Trip Spike (liquid)	S25-Jl0036125											X		
Test Counts						2	7	12	4	12	2	12	8	1	4	2	8	4

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Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: STEVEN DRYSDALE
Project name: LORD HOWE ISLAND ENVIRONMENTAL SERVICES WMF GW SW SED
Project ID: 30013573
Turnaround time: 3 Day
Date/Time received Jul 14, 2025 1:11 PM
Eurofins reference 1243905

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : -.6 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Sample ID SEDQA01A and SWQA01A sent to ALS. Missing Filtered metals sample for RINSATE01, analysis cancelled.

Contact

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

Adam Bateup on phone : or by email: Adam.Bateup@eurofinsanz.com

Results will be delivered electronically via email to STEVEN DRYSDALE - STEVEN.DRYSDALE@SMEC.COM.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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CHAIN OF CUSTODY FORM

SMEC Office: Level 7, 40 Mount Street, North Sydney 2060

PROJECT NAME:	Lord Howe Island Environmental Services WMF GW, SW, SED			LABORATORY:	Eurofins
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	3 DAY TAT
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	0432982682	DESPATCH COURIER (consignment reference):	Air Freight
DATE(s) SAMPLED:	4/07/2025 - 10/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	11/07/2025	DATE/TIME:	11/07/2025		
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:	[illegible] -0-6		
EMAIL INVOICE TO (default to PM/TL):	Steven.Drysdale@smec.com	DATE/TIME:	[illegible] (am)		

SPECIAL LABORATORY INSTRUCTIONS:

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	pH field screen	L2 + M30 Aggressivity and ion exchange	B7A	B15	ACM (NEPM)	pH and EC	B7A/ B15/ SVV/ B19E/ PFAS (full suite ultratrace LOR)	PFAS full suite	TRH F6-F9+BTEX			Comment
	WMFGW01	10/07/2025	GW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	WMFGW02	10/07/2025	GW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	WMFGW03	10/07/2025	GW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	WMFSW01	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	WMFSW02	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	WMFSW03	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	WMFSED01	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							x					
	WMFSED02	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							x					
	WMFSED03	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							x					
	SWQA01	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	SWQA01a	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							x					
	SEDQA01	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2	Forward to ALS											
	SEDQA01a	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							x					
	PFAS Blank	10/07/2025	Blank	1x PFAS	1	Forward to ALS											
	Rinsate01	10/07/2025	Rinsate	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8								x				
	Trip Blank01	10/07/2025	Blank	1x VOC	1							x					
	Trip Spike01	10/07/2025	Spike	1x VOC	1									x			
	Trip Blank02	10/07/2025	Blank	1x VOC	1									x			

#1243905

CHAIN OF CUSTODY FORM

SMEC Office: Level 7, 40 Mount Street, North Sydney 2060

PROJECT NAME:	Lord Howe Island Environmental Services WMF GW, SW, SED			LABORATORY:	Eurofins
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	3 DAY TAT
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	0432982682	DESPATCH COURIER (consignment reference):	Air Freight
DATE(s) SAMPLED:	4/07/2025 - 10/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	11/07/2025	DATE/TIME:	11/07/2025		
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:	Amin James	14/7/25	1:11PM -06
EMAIL INVOICE TO (default to PM/TL):	Steven.Drysdale@smec.com	DATE/TIME:			Chull

SPECIAL LABORATORY INSTRUCTIONS:

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	pH field screen	L2 + M30 Aggressivity and ion exchange	B7A	B15	ACM (NEPM)	pH and EC	B7A/ B15/ SVV/ B19E/ PFAS (full suite ultratrace LOR)	PFAS full suite	TRH F6-F9+BTEX			Comment
	Trip Spike02	10/07/2025	Spike	1x VOC	1									X			
				TOTAL	#REF!	-	0	0	0	0	0	12	1	4	0	0	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

2/2

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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: **STEVEN DRYSDALE**

Report **1244133-S**
Project name Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID 30013573
Received Date Jul 11, 2025

Client Sample ID			**BH03_0.1**
Sample Matrix			**Soil**
Eurofins Sample No.			**S25-JI0037589**
Date Sampled			**Jun 30, 2025**
Test/Reference	LOR	Unit	
TRH - 2013 NEPM Fractions (after silica gel clean-up)			
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	< 100
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	< 100
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	< 100
TRH - 1999 NEPM Fractions (after silica gel clean-up)			
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	< 100
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	< 100
TRH C10-C36 (Total) (after silica gel clean-up)	50	mg/kg	< 100
Sample Properties			
% Moisture	1	%	13

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
TRH - 2013 NEPM Fractions (after silica gel clean-up)	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
TRH - 1999 NEPM Fractions (after silica gel clean-up)	Sydney	Jul 15, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
% Moisture	Sydney	Jul 15, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphate total (as P)	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254										X			
Sydney Laboratory - NATA # 1261 Site # 18217	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	BH01_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037558	X	X	X	X	X	X	X	X		X			
2	BH01_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037559	X					X	X	X		X			
3	BH12_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037560	X					X		X		X			
4	BH12_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037561	X					X		X		X			
5	BH07_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037562								X					X
6	BH07_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037563								X					X
7	BH10_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037564								X					X
8	BH10_0.4	Jun 30, 2025		AUS Leachate	S25-Jl0037565								X					X
9	QA01	Jun 30, 2025		AUS Leachate	S25-Jl0037566								X					X
10	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037567								X					X
11	BH07_0.1	Jun 30, 2025		US Leachate	S25-Jl0037568									X				X
12	BH07_0.5	Jun 30, 2025		US Leachate	S25-Jl0037569									X				X
13	BH10_0.1	Jun 30, 2025		US Leachate	S25-Jl0037570									X				X

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphate total (as P)	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254															X			
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X		X	X	X
14	BH10_0.4	Jun 30, 2025		US Leachate	S25-Jl0037571									X				X
15	QA01	Jun 30, 2025		US Leachate	S25-Jl0037572									X				X
16	BH01_2.0	Jun 30, 2025		US Leachate	S25-Jl0037573									X				X
17	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037574			X					X					
18	BH08_0.9	Jun 30, 2025		AUS Leachate	S25-Jl0037575					X			X					
19	BH08_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037576					X			X					
20	BH10_0.7	Jun 30, 2025		AUS Leachate	S25-Jl0037577					X			X					
21	BH08_0.9	Jun 30, 2025		US Leachate	S25-Jl0037578					X				X				
22	BH08_2.0	Jun 30, 2025		US Leachate	S25-Jl0037579					X				X				
23	BH10_0.7	Jun 30, 2025		US Leachate	S25-Jl0037580					X				X				
24	BH01_1.0	Jun 30, 2025		AUS Leachate	S25-Jl0037583							X	X					
25	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037584							X	X					
26	BH01_0.1	Jun 30, 2025		US Leachate	S25-Jl0037585		X		X	X		X		X				
27	BH01_0.5	Jun 30, 2025		US Leachate	S25-Jl0037586							X		X				
28	BH01_1.0	Jun 30, 2025		US Leachate	S25-Jl0037587							X		X				
29	BH01_2.0	Jun 30, 2025		US Leachate	S25-Jl0037588							X		X				

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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NSW 2060

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphate total (as P)	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254															X			
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X		X	X	X
30	BH03_0.1	Jun 30, 2025		Soil	S25-Jl0037589											X	X	
Test Counts						4	2	2	2	8	4	8	16	13	4	1	1	12

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 (*bis*-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	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)	S25-Jl0040623	NCP	mg/kg	< 500	< 500	<1	30%	Pass	
TRH >C16-C34 (after silica gel clean-up)	S25-Jl0040623	NCP	mg/kg	9700	6400	41	30%	Fail	Q02
TRH >C34-C40 (after silica gel clean-up)	S25-Jl0040623	NCP	mg/kg	7800	5600	33	30%	Fail	Q02
Duplicate									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH C10-C14 (after silica gel clean-up)	S25-Jl0040623	NCP	mg/kg	< 200	< 200	<1	30%	Pass	
TRH C15-C28 (after silica gel clean-up)	S25-Jl0040623	NCP	mg/kg	3600	2100	53	30%	Fail	Q02
TRH C29-C36 (after silica gel clean-up)	S25-Jl0040623	NCP	mg/kg	9000	6300	35	30%	Fail	Q15
TRH C10-C36 (Total) (after silica gel clean-up)	S25-Jl0040623	NCP	mg/kg	13000	8400	40	30%	Fail	Q15
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Jl0037536	NCP	%	15	15	1.0	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Temperature of Chilled samples on receipt	-.1°C
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
Q02	The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause
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:

Nileshni Goundar	Analytical Services Manager
Ryan Phillips	Senior Analyst-Sample Properties
Roopesh Rangarajan	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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Accreditation Number 1261
Site Number 18217

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Attention: **STEVEN DRYSDALE**

Report **1244133-L**
Project name Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID 30013573
Received Date Jul 11, 2025

Client Sample ID			**BH01_0.1**	**BH01_0.5**	**BH12_0.1**	**BH12_0.5**
Sample Matrix			**AUS Leachate**	**AUS Leachate**	**AUS Leachate**	**AUS Leachate**
Eurofins Sample No.			**S25-JI0037558**	**S25-JI0037559**	**S25-JI0037560**	**S25-JI0037561**
Date Sampled			**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**
Test/Reference	LOR	Unit				
Ammonia (as N)	0.01	mg/L	0.10	0.03	0.10	0.74
Nitrate & Nitrite (as N)	0.05	mg/L	0.12	0.20	0.16	< 0.05
Nitrate (as N)	0.5	mg/L	< 0.5	< 0.5	< 0.5	< 0.5
Nitrite (as N)	0.5	mg/L	< 0.5	< 0.5	< 0.5	< 0.5
Phosphate total (as P)	0.01	mg/L	8.5	0.25	0.16	0.09
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	1.8	2.8	0.6	1.8
Total Nitrogen (as N)*	0.2	mg/L	1.9	3.0	0.8	1.8
Heavy Metals						
Arsenic	0.01	mg/L	0.04	-	-	-
Copper	0.05	mg/L	< 0.05	-	-	-
Lead	0.01	mg/L	0.04	-	-	-
Nickel	0.01	mg/L	< 0.01	-	-	-
Zinc	0.05	mg/L	0.15	< 0.05	-	-
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	4.0	4.0	4.0	4.0
pH (initial)	0.1	pH Units	9.3	8.1	9.5	9.2
pH (Leachate fluid)	0.1	pH Units	9.0	9.0	9.0	9.0
pH (off)	0.1	pH Units	5.0	5.5	5.0	5.1

Client Sample ID			**BH07_0.1**	**BH07_0.5**	**BH10_0.1**	**BH10_0.4**
Sample Matrix			**AUS Leachate**	**AUS Leachate**	**AUS Leachate**	**AUS Leachate**
Eurofins Sample No.			**S25-JI0037562**	**S25-JI0037563**	**S25-JI0037564**	**S25-JI0037565**
Date Sampled			**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**
Test/Reference	LOR	Unit				
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	4.0	4.0	4.0	4.0
pH (initial)	0.1	pH Units	9.1	9.2	8.9	8.9
pH (Leachate fluid)	0.1	pH Units	9.0	9.0	9.0	9.0
pH (off)	0.1	pH Units	9.1	8.6	8.5	8.7

Client Sample ID			BH07_0.1	BH07_0.5	BH10_0.1	BH10_0.4
Sample Matrix			**AUS Leachate**	**AUS Leachate**	**AUS Leachate**	**AUS Leachate**
Eurofins Sample No.			**S25-JI0037562**	**S25-JI0037563**	**S25-JI0037564**	**S25-JI0037565**
Date Sampled			**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**
Test/Reference	LOR	Unit				
Per- and Polyfluoroalkyl Substances (PFASs) - Short						
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C2-6:2 FTSA (surr.)	1	%	120	103	187	115
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	[N09]0.89	[N09]0.91	[N09]0.11	[N09]0.06
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	[N09]5.9	[N09]15	[N09]0.83	[N09]0.38
18O2-PFHxS (surr.)	1	%	115	105	137	130
13C8-PFOS (surr.)	1	%	99	95	135	124
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	[N09]0.06	[N09]0.05	[N09]0.05	[N09]0.03
13C8-PFOA (surr.)	1	%	119	106	135	126
Sum (PFHxS + PFOS)*	0.01	ug/L	6.79	15.91	0.94	0.44

Client Sample ID			QA01	BH01_2.0	BH07_0.1	BH07_0.5
Sample Matrix			**AUS Leachate**	**AUS Leachate**	**US Leachate**	**US Leachate**
Eurofins Sample No.			**S25-JI0037566**	**S25-JI0037567**	**S25-JI0037568**	**S25-JI0037569**
Date Sampled			**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**
Test/Reference	LOR	Unit				
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	4.0	4.0	-	-
pH (initial)	0.1	pH Units	8.9	8.6	-	-
pH (Leachate fluid)	0.1	pH Units	9.0	9.0	-	-
pH (off)	0.1	pH Units	9.2	8.2	-	-
Per- and Polyfluoroalkyl Substances (PFASs) - Short						
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C2-6:2 FTSA (surr.)	1	%	123	157	113	147
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	[N09]0.07	< 0.01	[N09]0.74	[N09]0.86
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	[N09]0.70	[N09]0.28	[N09]4.1	[N09]9.6
18O2-PFHxS (surr.)	1	%	121	101	99	105
13C8-PFOS (surr.)	1	%	120	114	88	103
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	[N09]0.04	< 0.01	[N09]0.05	[N09]0.04
13C8-PFOA (surr.)	1	%	118	119	118	124
Sum (PFHxS + PFOS)*	0.01	ug/L	0.77	0.28	4.84	10.46
USA Leaching Procedure						
Leachate Fluid[C01]		comment	-	-	1.0	1.0
pH (initial)	0.1	pH Units	-	-	9.1	9.2
pH (off)	0.1	pH Units	-	-	5.1	6.3
pH (USA HCl addition)	0.1	pH Units	-	-	2.9	1.8

Client Sample ID			BH10_0.1	BH10_0.4	QA01	BH01_2.0
Sample Matrix			US Leachate	US Leachate	US Leachate	US Leachate
Eurofins Sample No.			S25-JI0037570	S25-JI0037571	S25-JI0037572	S25-JI0037573
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Per- and Polyfluoroalkyl Substances (PFASs) - Short						
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C2-6:2 FTSA (surr.)	1	%	152	189	128	174
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	[N09]0.10	[N09]0.05	[N09]0.09	[N09]0.01
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	[N09]0.71	[N09]0.38	[N09]0.68	[N09]0.25
18O2-PFHxS (surr.)	1	%	117	138	84	112
13C8-PFOS (surr.)	1	%	114	117	81	116
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	[N09]0.05	[N09]0.04	[N09]0.06	[N09]0.01
13C8-PFOA (surr.)	1	%	132	144	79	124
Sum (PFHxS + PFOS)*	0.01	ug/L	0.81	0.43	0.77	0.26
USA Leaching Procedure						
Leachate Fluid[C01]		comment	1.0	1.0	1.0	1.0
pH (initial)	0.1	pH Units	9.2	8.9	9.0	8.8
pH (off)	0.1	pH Units	6.3	6.6	6.3	5.0
pH (USA HCl addition)	0.1	pH Units	2.6	1.5	3.1	2.9

Client Sample ID			BH01_2.0	BH08_0.9	BH08_2.0	BH10_0.7
Sample Matrix			AUS Leachate	AUS Leachate	AUS Leachate	AUS Leachate
Eurofins Sample No.			S25-JI0037574	S25-JI0037575	S25-JI0037576	S25-JI0037577
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Copper	0.05	mg/L	< 0.05	-	-	-
Nickel	0.01	mg/L	-	< 0.01	< 0.01	< 0.01
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	4.0	4.0	4.0	4.0
pH (initial)	0.1	pH Units	8.1	9.3	9.5	9.4
pH (Leachate fluid)	0.1	pH Units	9.0	9.0	9.0	9.0
pH (off)	0.1	pH Units	5.0	5.2	5.2	5.1

Client Sample ID			BH08_0.9	BH08_2.0	BH10_0.7	BH01_1.0
Sample Matrix			US Leachate	US Leachate	US Leachate	AUS Leachate
Eurofins Sample No.			S25-JI0037578	S25-JI0037579	S25-JI0037580	S25-JI0037583
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Nickel	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
Zinc	0.05	mg/L	-	-	-	< 0.05
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	-	-	-	4.0
pH (initial)	0.1	pH Units	-	-	-	8.6
pH (Leachate fluid)	0.1	pH Units	-	-	-	9.0
pH (off)	0.1	pH Units	-	-	-	5.4

Client Sample ID			BH08_0.9	BH08_2.0	BH10_0.7	BH01_1.0
Sample Matrix			US Leachate	US Leachate	US Leachate	AUS Leachate
Eurofins Sample No.			S25-JI0037578	S25-JI0037579	S25-JI0037580	S25-JI0037583
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
USA Leaching Procedure						
Leachate Fluid[C01]		comment	1.0	1.0	1.0	-
pH (initial)	0.1	pH Units	9.4	9.3	9.0	-
pH (off)	0.1	pH Units	5.0	5.2	5.2	-
pH (USA HCl addition)	0.1	pH Units	1.3	1.7	1.4	-

Client Sample ID			BH01_2.0	BH01_0.1	BH01_0.5	BH01_1.0
Sample Matrix			AUS Leachate	US Leachate	US Leachate	US Leachate
Eurofins Sample No.			S25-JI0037584	S25-JI0037585	S25-JI0037586	S25-JI0037587
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	0.01	mg/L	-	0.64	-	-
Lead	0.01	mg/L	-	0.02	-	-
Nickel	0.01	mg/L	-	< 0.01	-	-
Zinc	0.05	mg/L	< 0.05	2.6	1.1	0.58
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	4.0	-	-	-
pH (initial)	0.1	pH Units	8.4	-	-	-
pH (Leachate fluid)	0.1	pH Units	9.0	-	-	-
pH (off)	0.1	pH Units	5.4	-	-	-
USA Leaching Procedure						
Leachate Fluid[C01]		comment	-	1.0	1.0	1.0
pH (initial)	0.1	pH Units	-	8.8	8.1	8.7
pH (off)	0.1	pH Units	-	5.6	5.9	6.3
pH (USA HCl addition)	0.1	pH Units	-	5.1	3.5	2.9

Client Sample ID			BH01_2.0
Sample Matrix			US Leachate
Eurofins Sample No.			S25-JI0037588
Date Sampled			Jun 30, 2025
Test/Reference	LOR	Unit	
Heavy Metals			
Zinc	0.05	mg/L	1.2
USA Leaching Procedure			
Leachate Fluid[C01]		comment	1.0
pH (initial)	0.1	pH Units	8.6
pH (off)	0.1	pH Units	5.1
pH (USA HCl addition)	0.1	pH Units	2.9

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
Ammonia (as N)	Sydney	Jul 15, 2025	28 Days
- Method: LTM-INO-4200 Ammonia by Discrete Analyser			
Phosphate total (as P)	Sydney	Jul 16, 2025	28 Days
- Method: E052 Total Phosphate (as P)			
Heavy Metals	Sydney	Jul 15, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
AUS Leaching Procedure	Sydney	Jul 15, 2025	7 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			
Per- and Polyfluoroalkyl Substances (PFASs) - Short	Sydney	Jul 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
USA Leaching Procedure	Sydney	Jul 15, 2025	14 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			
Total Nitrogen Set (as N)			
Nitrate & Nitrite (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrate (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Nitrite (as N)	Melbourne	Jul 16, 2025	2 Days
- Method: LTM-INO-4450 Nitrogens by Discrete Analyser			
Total Kjeldahl Nitrogen (as N)	Melbourne	Jul 16, 2025	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: SMEC Australia Pty Ltd (SYD)
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Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphate total (as P)	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254										X			
Sydney Laboratory - NATA # 1261 Site # 18217	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	BH01_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037558	X	X	X	X	X	X	X	X		X			
2	BH01_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037559	X					X	X	X		X			
3	BH12_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037560	X					X		X		X			
4	BH12_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037561	X					X		X		X			
5	BH07_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037562								X					X
6	BH07_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037563								X					X
7	BH10_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037564								X					X
8	BH10_0.4	Jun 30, 2025		AUS Leachate	S25-Jl0037565								X					X
9	QA01	Jun 30, 2025		AUS Leachate	S25-Jl0037566								X					X
10	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037567								X					X
11	BH07_0.1	Jun 30, 2025		US Leachate	S25-Jl0037568									X				X
12	BH07_0.5	Jun 30, 2025		US Leachate	S25-Jl0037569									X				X
13	BH10_0.1	Jun 30, 2025		US Leachate	S25-Jl0037570									X				X

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphate total (as P)	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254															X			
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X		X	X	X
14	BH10_0.4	Jun 30, 2025		US Leachate	S25-Jl0037571									X				X
15	QA01	Jun 30, 2025		US Leachate	S25-Jl0037572									X				X
16	BH01_2.0	Jun 30, 2025		US Leachate	S25-Jl0037573									X				X
17	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037574			X					X					
18	BH08_0.9	Jun 30, 2025		AUS Leachate	S25-Jl0037575					X			X					
19	BH08_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037576					X			X					
20	BH10_0.7	Jun 30, 2025		AUS Leachate	S25-Jl0037577					X			X					
21	BH08_0.9	Jun 30, 2025		US Leachate	S25-Jl0037578					X				X				
22	BH08_2.0	Jun 30, 2025		US Leachate	S25-Jl0037579					X				X				
23	BH10_0.7	Jun 30, 2025		US Leachate	S25-Jl0037580					X				X				
24	BH01_1.0	Jun 30, 2025		AUS Leachate	S25-Jl0037583							X	X					
25	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037584							X	X					
26	BH01_0.1	Jun 30, 2025		US Leachate	S25-Jl0037585		X		X	X		X		X				
27	BH01_0.5	Jun 30, 2025		US Leachate	S25-Jl0037586							X		X				
28	BH01_1.0	Jun 30, 2025		US Leachate	S25-Jl0037587							X		X				
29	BH01_2.0	Jun 30, 2025		US Leachate	S25-Jl0037588							X		X				

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Sample Detail						Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphate total (as P)	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254															X			
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X		X	X	X
30	BH03_0.1	Jun 30, 2025		Soil	S25-Jl0037589											X	X	
Test Counts						4	2	2	2	8	4	8	16	13	4	1	1	12

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 (*bis*-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	< 0.01			0.01	Pass	
Copper	mg/L	< 0.05			0.05	Pass	
Lead	mg/L	< 0.01			0.01	Pass	
Nickel	mg/L	< 0.01			0.01	Pass	
Zinc	mg/L	< 0.05			0.05	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	94			80-120	Pass	
Copper	%	95			80-120	Pass	
Lead	%	98			80-120	Pass	
Nickel	%	95			80-120	Pass	
Zinc	%	93			80-120	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
				Result 1					
Phosphate total (as P)	S25-Jl0037559	CP	%	101			70-130	Pass	
Spike - % Recovery									
				Result 1					
Ammonia (as N)	S25-Jl0037560	CP	%	84			70-130	Pass	
Spike - % Recovery									
Per- and Polyfluoroalkyl Substances (PFASs) - Short				Result 1					
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0037568	CP	%	104			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0037568	CP	%	81			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Jl0037584	CP	%	98			75-125	Pass	
Copper	S25-Jl0037584	CP	%	96			75-125	Pass	
Lead	S25-Jl0037584	CP	%	104			75-125	Pass	
Nickel	S25-Jl0037584	CP	%	98			75-125	Pass	
Zinc	S25-Jl0037584	CP	%	97			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Jl0037588	CP	%	114			75-125	Pass	
Copper	S25-Jl0037588	CP	%	105			75-125	Pass	
Lead	S25-Jl0037588	CP	%	101			75-125	Pass	
Nickel	S25-Jl0037588	CP	%	103			75-125	Pass	
Zinc	S25-Jl0037588	CP	%	165			75-125	Fail	Q05

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
				Result 1	Result 2	RPD			
Phosphate total (as P)	S25-Jl0037558	CP	mg/L	8.5	8.6	1.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Jl0037558	CP	mg/L	0.04	0.04	2.0	30%	Pass	
Copper	S25-Jl0037558	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Lead	S25-Jl0037558	CP	mg/L	0.04	0.04	2.0	30%	Pass	
Nickel	S25-Jl0037558	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Zinc	S25-Jl0037558	CP	mg/L	0.15	0.15	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	S25-Jl0037559	CP	mg/L	0.03	0.03	4.0	30%	Pass	
Duplicate									
Per- and Polyfluoroalkyl Substances (PFASs) - Short				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0037564	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0037564	CP	ug/L	0.11	0.09	19	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0037564	CP	ug/L	0.83	0.88	6.0	30%	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0037564	CP	ug/L	0.05	0.05	2.0	30%	Pass	
Duplicate									
Per- and Polyfluoroalkyl Substances (PFASs) - Short				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S25-Jl0037567	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S25-Jl0037567	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S25-Jl0037567	CP	ug/L	0.28	0.21	28	30%	Pass	
Perfluorooctanoic acid (PFOA)	S25-Jl0037567	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Temperature of Chilled samples on receipt	-.1°C
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
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other
G01	The LORs have been raised due to matrix interference
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.
Q05	The matrix spike concentration is less than five times the background concentration in the sample - therefore the spike recovery cannot be determined

Authorised by:

Nileshni Goundar	Analytical Services Manager
Luke Holt	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Inorganic
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-PFAS
Ryan Phillips	Senior Analyst-Inorganic
Ryan Phillips	Senior Analyst-Sample Properties



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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Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: STEVEN DRYSDALE
Project name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573
Turnaround time: 5 Day
Date/Time received Jul 11, 2025 3:55 PM
Eurofins reference 1244133

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : -.1 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	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:

Adam Bateup on phone : or by email: Adam.Bateup@eurofinsanz.com

Results will be delivered electronically via email to STEVEN DRYSDALE - STEVEN.DRYSDALE@SMEC.COM.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphorus	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254															X			
Sydney Laboratory - NATA # 1261 Site # 18217						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	BH01_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037558	X	X	X	X	X	X	X	X		X			
2	BH01_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037559	X					X	X	X		X			
3	BH12_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037560	X					X		X		X			
4	BH12_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037561	X					X		X		X			
5	BH07_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037562								X					X
6	BH07_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037563								X					X
7	BH10_0.1	Jun 30, 2025		AUS Leachate	S25-Jl0037564								X					X
8	BH10_0.4	Jun 30, 2025		AUS Leachate	S25-Jl0037565								X					X
9	QA01	Jun 30, 2025		AUS Leachate	S25-Jl0037566								X					X
10	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037567								X					X
11	BH07_0.1	Jun 30, 2025		US Leachate	S25-Jl0037568									X				X
12	BH07_0.5	Jun 30, 2025		US Leachate	S25-Jl0037569									X				X
13	BH10_0.1	Jun 30, 2025		US Leachate	S25-Jl0037570									X				X

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web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
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Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise	43 Detroit Drive	1277 Cameron Road
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphorus	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254															X			
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X		X	X	X
14	BH10_0.4	Jun 30, 2025		US Leachate	S25-Jl0037571									X				X
15	QA01	Jun 30, 2025		US Leachate	S25-Jl0037572									X				X
16	BH01_2.0	Jun 30, 2025		US Leachate	S25-Jl0037573									X				X
17	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037574			X					X					
18	BH08_0.9	Jun 30, 2025		AUS Leachate	S25-Jl0037575					X			X					
19	BH08_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037576					X			X					
20	BH10_0.7	Jun 30, 2025		AUS Leachate	S25-Jl0037577					X			X					
21	BH08_0.9	Jun 30, 2025		US Leachate	S25-Jl0037578					X				X				
22	BH08_2.0	Jun 30, 2025		US Leachate	S25-Jl0037579					X				X				
23	BH10_0.7	Jun 30, 2025		US Leachate	S25-Jl0037580					X				X				
24	BH01_0.1	Jun 30, 2025		US Leachate	S25-Jl0037581					X				X				
25	BH01_0.5	Jun 30, 2025		AUS Leachate	S25-Jl0037582							X	X					
26	BH01_1.0	Jun 30, 2025		AUS Leachate	S25-Jl0037583							X	X					
27	BH01_2.0	Jun 30, 2025		AUS Leachate	S25-Jl0037584							X	X					
28	BH01_0.1	Jun 30, 2025		US Leachate	S25-Jl0037585		X		X			X		X				
29	BH01_0.5	Jun 30, 2025		US Leachate	S25-Jl0037586							X		X				

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Eurofins Environment Testing Australia Pty Ltd
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+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

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Project Name: Additional: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1244133
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 11, 2025 3:55 PM
Due: Jul 18, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Ammonia (as N)	Arsenic	Copper	Lead	Nickel	Phosphorus	Zinc	AUS Leaching Procedure	USA Leaching Procedure	Total Nitrogen Set (as N)	TRH (after Silica Gel cleanup)	Moisture Set	Per- and Polyfluoroalkyl Substances (PFASs) - Short
Melbourne Laboratory - NATA # 1261 Site # 1254															X			
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X		X	X	X
30	BH01_1.0	Jun 30, 2025		US Leachate	S25-Jl0037587							X		X				
31	BH01_2.0	Jun 30, 2025		US Leachate	S25-Jl0037588							X		X				
32	BH03_0.1	Jun 30, 2025		Soil	S25-Jl0037589											X	X	
Test Counts						4	2	2	2	8	4	9	17	14	4	1	1	12

Outlook

RE: Eurofins Test Results - Report 1240933 : Site Lord Howe Island Environmental Services - WMF - BATCH 1 (30013573)

From Adam Bateup <Adam.Bateup@eurofinsanz.com>
Date Fri 11/07/2025 3:55 PM
To SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>

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.

Updating this to now include:

- ASLP Total Phosphorous, Total Nitrogen and Ammonia
  - BH01_0.1
  - BH01_0.5
  - BH12_0.1
  - BH12_0.5
- TCLP and ASLP PFAS - short suite
  - BH07_0.1
  - BH07_0.5
  - BH10_0.1
  - BH10_0.4
  - QA01
  - BH01_2.0
- ASLP Copper
  - BH01_0.1
  - BH01_2.0
- TCLP and ASLP Nickel
  - BH08_0.9
  - BH08_2.0
  - BH10_0.7
  - BH01_0.1
- TCLP and ASLP Zinc
  - BH01_0.1
  - BH01_0.5
  - BH01_1.0
  - BH01_2.0
- TCLP and ASLP Arsenic
  - BH01_0.1
- TCLP and ASLP Lead
  - BH01_0.1
- TRH Silica Gel cleanup
  - BH03_0.1

Add subsampmel to the aslp with the nitrogens/ammonia

We will need to log this tonight please.

Kind Regards,

Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: adam.bateup@eurofinsanz.com
Phone: 0447 584 487
Website: www.eurofins.com.au/environmental-testing

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From: Adam Bateup
Sent: Friday, 11 July 2025 3:50 PM
To: SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>
Subject: FW: Eurofins Test Results - Report 1240933 : Site Lord Howe Island Environmental Services - WMF - BATCH 1 (30013573)
Importance: High

Standard TAT additional please team!

Kind Regards,

Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: adam.bateup@eurofinsanz.com
Phone: 0447 584 487
Website: www.eurofins.com.au/environmental-testing

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From: Steven DRYSDALE <Steven.Drysdale@smec.com>
Sent: Friday, 11 July 2025 3:39 PM
To: Adam Bateup <Adam.Bateup@eurofinsanz.com>
Cc: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Subject: Re: Eurofins Test Results - Report 1240933 : Site Lord Howe Island Environmental Services - WMF - BATCH 1 (30013573)

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 Adam,

Could I please get the following additional analysis undertaken:

- TCLP and ASLP PFAS - short suite
    - BH07_0.1
    - BH07_0.5
    - BH10_0.1
    - BH10_0.4
    - QA01
    - BH01_2.0
- ASLP Copper
    - BH01_0.1
    - BH01_2.0
- TCLP and ASLP Nickel
    - BH08_0.9
    - BH08_2.0
    - BH10_0.7
    - BH01_0.1
- TCLP and ASLP Zinc
    - BH01_0.1
    - BH01_0.5
    - BH01_1.0
    - BH01_2.0
- TCLP and ASLP Arsenic
    - BH01_0.1
- TCLP and ASLP Lead
    - BH01_0.1
- TRH Silica Gel cleanup
    - BH03_0.1

Also, it looks like the pH field results are lower than the pHFOX, is this correct and if so, what could cause this?

Cheers

Steven DRYSDALE
Manager - Environment, Sydney
M +61 403 503 373 **T** +61299255490 **E** Steven.Drysdale@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

From: Adam Bateup <EET-ELVIS@eurofinsanz.com>
Sent: Tuesday, 8 July 2025 10:28 PM
To: Steven DRYSDALE <STEVEN.DRYSDALE@SMEC.COM>
Cc: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Subject: Eurofins Test Results - Report 1240933 : Site Lord Howe Island Environmental Services - WMF - BATCH 1 (30013573)

Please find the attached draft reports, final reports expected by Friday.

Kind regards,
Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: Adam.Bateup@eurofinsanz.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com/environmental-testing
View our latest EnviroNotes

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

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Accreditation Number 1261
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Attention: **STEVEN DRYSDALE**

Report **1248271-S**
Project name ADDITIONAL: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID 30013573
Received Date Jul 24, 2025

Client Sample ID			**BH10_0.7**	**BH10_3.0**	**BH07_2.0**	**BH07_4.0**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S25-JI0066044**	**S25-JI0066045**	**S25-JI0066046**	**S25-JI0066048**
Date Sampled			**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**	**Jun 30, 2025**
Test/Reference	LOR	Unit				
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (SNAS) NLM-4.1	0.005	% S	N/A	N/A	N/A	N/A
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	N/A	N/A	N/A	N/A
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	N/A	N/A	N/A	N/A
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0	2.0	2.0
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	9.9	9.9	10	9.8
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	< 2	< 2	< 2	< 2
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	< 0.003	< 0.003	< 0.003	< 0.003
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	7.9	8.2	8.2	8.2
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	< 0.02	< 0.02	< 0.02	< 0.02
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	< 2	< 2	< 2	< 2
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	< 2	< 2	< 2	< 2
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	< 0.02	< 0.02	< 0.02	< 0.02
Potential Acidity - Chromium Reducible Sulfur						
Chromium Reducible Sulfur (s-SCR) (NLM-2.1)[S04]	0.005	% S	< 0.005	< 0.005	< 0.005	< 0.005
Chromium Reducible Sulfur (a-SCR) (NLM-2.1)	3	mol H+/t	< 3	< 3	< 3	< 3
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	0.010	0.010	0.010	0.010
Peroxide Extractable Sulfur	0.005	% S	0.10	0.13	0.080	0.12
HCl Extractable Sulfur	0.005	% S	N/A	N/A	N/A	N/A
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	0.095	0.13	0.070	0.11
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	59	78	43	68
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	0.12	0.13	0.14	0.16
Calcium - Peroxide	0.005	% Ca	22	28	17	25
Calcium - Acid Reacted	0.005	% Ca	22	28	17	25
Calcium - Acid Reacted (s-aCa)	0.005	% S	18	22	14	20
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	11000	14000	8400	12000
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	0.030	0.040	0.030	0.040
Magnesium - Peroxide	0.005	% Mg	0.91	1.5	0.70	0.98
Magnesium - Acid Reacted	0.005	% Mg	0.87	1.5	0.67	0.94
Magnesium - Acid Reacted (s-aCa)	0.005	% S	1.2	1.9	0.88	1.2
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	720	1200	550	770

Client Sample ID			BH10_0.7	BH10_3.0	BH07_2.0	BH07_4.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-JI0066044	S25-JI0066045	S25-JI0066046	S25-JI0066048
Date Sampled			Jun 30, 2025	Jun 30, 2025	Jun 30, 2025	Jun 30, 2025
Test/Reference	LOR	Unit				
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	58	80	44	68
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	19	26	14	22
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	12000	16000	8700	14000
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	1.5	1.5	1.5	1.5
Acid Neutralising Capacity - (ANCbt) (NLM-5.2)	0.01	% CaCO3	43	69	33	68
Acid Neutralising Capacity - (s-ANCbt) (NLM-5.2)[S03]	0.02	% S	14	22	11	22
Acid Neutralising Capacity - (a-ANCbt) (NLM-5.2)	2	mol H+/t	8700	14000	6600	13000
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	< 10	< 10	< 10	< 10
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	< 0.02	< 0.02	< 0.02	< 0.02
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	< 1	< 1	< 1	< 1
s-CRS Suite - Net Acidity - NASSG (including ANC)	0.02	% S	N/A	N/A	N/A	N/A
CRS Suite - Net Acidity - NASSG (Including ANC)	10	mol H+/t	N/A	N/A	N/A	N/A
CRS Suite - Liming Rate - NASSG (Including ANC)[S01]	1	kg CaCO3/t	N/A	N/A	N/A	N/A
Sample Properties						
% Moisture	1	%	13	16	9.6	16

Client Sample ID			BH02_3.0	BH02_5.2
Sample Matrix			Soil	Soil
Eurofins Sample No.			S25-JI0066049	S25-JI0066050
Date Sampled			Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit		
Retained Acidity (S-NAS)				
Net Acid soluble sulfur (SNAS) NLM-4.1	0.005	% S	N/A	N/A
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	N/A	N/A
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	N/A	N/A
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0
Actual Acidity (NLM-3.2)				
pH-KCL (NLM-3.1)	0.1	pH Units	10	9.9
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	< 2	< 2
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	< 0.003	< 0.003
Potential Acidity - Titratable Peroxide				
pH-OX	0.1	pH Units	8.2	8.1
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	< 0.02	< 0.02
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	< 2	< 2
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	< 2	< 2
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	< 0.02	< 0.02
Potential Acidity - Chromium Reducible Sulfur				
Chromium Reducible Sulfur (s-SCR) (NLM-2.1)[S04]	0.005	% S	< 0.005	< 0.005
Chromium Reducible Sulfur (a-SCR) (NLM-2.1)	3	mol H+/t	< 3	< 3
Extractable Sulfur				
Sulfur - KCl Extractable	0.005	% S	0.010	0.010
Peroxide Extractable Sulfur	0.005	% S	0.12	0.12
HCl Extractable Sulfur	0.005	% S	N/A	N/A
Potential Acidity (SPOS)				
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	0.11	0.11
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	70	69

Client Sample ID			BH02_3.0	BH02_5.2
Sample Matrix			Soil	Soil
Eurofins Sample No.			S25-JI0066049	S25-JI0066050
Date Sampled			Jul 02, 2025	Jul 02, 2025
Test/Reference	LOR	Unit		
Extractable Calcium				
Calcium - KCl Extractable	0.005	% Ca	0.13	0.13
Calcium - Peroxide	0.005	% Ca	29	28
Calcium - Acid Reacted	0.005	% Ca	29	28
Calcium - Acid Reacted (s-aCa)	0.005	% S	23	22
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	15000	14000
Extractable Magnesium				
Magnesium - KCl Extractable	0.005	% Mg	0.050	0.040
Magnesium - Peroxide	0.005	% Mg	1.3	1.2
Magnesium - Acid Reacted	0.005	% Mg	1.3	1.2
Magnesium - Acid Reacted (s-aCa)	0.005	% S	1.7	1.5
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	1000	950
Acid Neutralising Capacity (ANCE)				
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	79	76
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	25	24
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	16000	15000
Acid Neutralising Capacity (ANCbt)				
ANC Fineness Factor		factor	1.5	1.5
Acid Neutralising Capacity - (ANCbt) (NLM-5.2)	0.01	% CaCO3	70	69
Acid Neutralising Capacity - (s-ANCbt) (NLM-5.2)[S03]	0.02	% S	22	22
Acid Neutralising Capacity - (a-ANCbt) (NLM-5.2)	2	mol H+/t	14000	14000
Net Acidity (Including ANC)				
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	< 10	< 10
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	< 0.02	< 0.02
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	< 1	< 1
s-CRS Suite - Net Acidity - NASSG (including ANC)	0.02	% S	N/A	N/A
CRS Suite - Net Acidity - NASSG (Including ANC)	10	mol H+/t	N/A	N/A
CRS Suite - Liming Rate - NASSG (Including ANC)[S01]	1	kg CaCO3/t	N/A	N/A
Sample Properties				
% Moisture	1	%	19	22

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
ASS Super Suite	Brisbane	Jul 28, 2025	N/A
- Method: LTM-GEN-7050 Suspension Peroxide Oxidation Combined Acidity and Sulfur (SPOCAS)			
% Moisture	Sydney	Jul 24, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			

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Eurofins Environment Testing Australia Pty Ltd
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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1248271
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 24, 2025 1:53 AM
Due: Jul 31, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Moisture Set	ASS Super Suite
Sydney Laboratory - NATA # 1261 Site # 18217						X	
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780							X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	BH10_0.7	Jun 30, 2025		Soil	S25-Jl0066044	X	X
2	BH10_3.0	Jun 30, 2025		Soil	S25-Jl0066045	X	X
3	BH07_2.0	Jun 30, 2025		Soil	S25-Jl0066046	X	X
4	BH07_4.0	Jun 30, 2025		Soil	S25-Jl0066048	X	X
5	BH02_3.0	Jul 02, 2025		Soil	S25-Jl0066049	X	X
6	BH02_5.2	Jul 02, 2025		Soil	S25-Jl0066050	X	X
Test Counts						6	6

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 (*bis*-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
LCS - % Recovery							
Actual Acidity (NLM-3.2)							
pH-KCL (NLM-3.1)	%	99			80-120	Pass	
Titratable Actual Acidity (NLM-3.2)	%	114			80-120	Pass	
LCS - % Recovery							
Potential Acidity - Chromium Reducible Sulfur							
Chromium Reducible Sulfur (s-SCR) (NLM-2.1)	%	97			80-120	Pass	
LCS - % Recovery							
Extractable Sulfur							
HCl Extractable Sulfur	%	101			80-120	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Jl0065934	NCP	%	11	11	3.0	30%	Pass	
Duplicate									
Retained Acidity (S-NAS)				Result 1	Result 2	RPD			
Net Acid soluble sulfur (SNAS) NLM-4.1	S25-Jl0066048	CP	% S	N/A	N/A	N/A	30%	Pass	
Net Acid soluble sulfur (s-SNAS) NLM-4.1	S25-Jl0066048	CP	% S	N/A	N/A	N/A	30%	Pass	
Net Acid soluble sulfur (a-SNAS) NLM-4.1	S25-Jl0066048	CP	mol H+/t	N/A	N/A	N/A	30%	Pass	
Duplicate									
Actual Acidity (NLM-3.2)				Result 1	Result 2	RPD			
pH-KCL (NLM-3.1)	S25-Jl0066048	CP	pH Units	9.8	9.9	<1	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Jl0066048	CP	mol H+/t	< 2	< 2	<1	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Jl0066048	CP	% pyrite S	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Potential Acidity - Titratable Peroxide				Result 1	Result 2	RPD			
pH-OX	S25-Jl0066048	CP	pH Units	8.2	8.2	<1	20%	Pass	
Titratable Peroxide Acidity (s-TPA)	S25-Jl0066048	CP	% pyrite S	< 0.02	< 0.02	<1	30%	Pass	
Titratable Peroxide Acidity (a-TPA)	S25-Jl0066048	CP	mol H+/t	< 2	< 2	<1	20%	Pass	
Titratable Sulfidic Acidity (a-TSA)	S25-Jl0066048	CP	mol H+/t	< 2	< 2	<1	30%	Pass	
Titratable Sulfidic Acidity (s-TSA)	S25-Jl0066048	CP	% pyrite S	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
Potential Acidity - Chromium Reducible Sulfur				Result 1	Result 2	RPD			
Chromium Reducible Sulfur (s-SCR) (NLM-2.1)	S25-Jl0066048	CP	% S	< 0.005	< 0.005	<1	20%	Pass	
Chromium Reducible Sulfur (a-SCR) (NLM-2.1)	S25-Jl0066048	CP	mol H+/t	< 3	< 3	<1	30%	Pass	
Duplicate									
Extractable Sulfur				Result 1	Result 2	RPD			
Sulfur - KCl Extractable	S25-Jl0066048	CP	% S	0.010	0.010	<1	30%	Pass	
Peroxide Extractable Sulfur	S25-Jl0066048	CP	% S	0.12	0.11	5.0	20%	Pass	
HCl Extractable Sulfur	S25-Jl0066048	CP	% S	N/A	N/A	N/A	20%	Pass	
Duplicate									
Potential Acidity (SPOS)				Result 1	Result 2	RPD			
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	S25-Jl0066048	CP	% S	0.11	0.10	5.0	30%	Pass	
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	S25-Jl0066048	CP	mol H+/t	68	64	5.0	30%	Pass	

Duplicate									
Extractable Calcium				Result 1	Result 2	RPD			
Calcium - KCl Extractable	S25-Jl0066048	CP	% Ca	0.16	0.16	<1	30%	Pass	
Calcium - Peroxide	S25-Jl0066048	CP	% Ca	25	25	1.0	20%	Pass	
Calcium - Acid Reacted	S25-Jl0066048	CP	% Ca	25	25	1.0	30%	Pass	
Calcium - Acid Reacted (s-aCa)	S25-Jl0066048	CP	% S	20	20	1.0	30%	Pass	
Calcium - Acid Reacted (a-aCa)	S25-Jl0066048	CP	mol H+/t	12000	12000	1.0	30%	Pass	
Duplicate									
Extractable Magnesium				Result 1	Result 2	RPD			
Magnesium - KCl Extractable	S25-Jl0066048	CP	% Mg	0.040	0.040	<1	30%	Pass	
Magnesium - Peroxide	S25-Jl0066048	CP	% Mg	0.98	0.94	4.0	20%	Pass	
Magnesium - Acid Reacted	S25-Jl0066048	CP	% Mg	0.94	0.91	4.0	30%	Pass	
Magnesium - Acid Reacted (s-aCa)	S25-Jl0066048	CP	% S	1.2	1.2	4.0	30%	Pass	
Magnesium - Acid Reacted (a-aCa)	S25-Jl0066048	CP	mol H+/t	770	740	4.0	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCE)				Result 1	Result 2	RPD			
Acid Neutralising Capacity - (ANCE)	S25-Jl0066048	CP	% CaCO3	68	68	<1	30%	Pass	
Acid Neutralising Capacity - (a-ANCE)	S25-Jl0066048	CP	mol H+/t	14000	14000	<1	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCbt)				Result 1	Result 2	RPD			
ANC Fineness Factor	S25-Jl0066048	CP	factor	1.5	1.5	<1	30%	Pass	
Acid Neutralising Capacity - (ANCbt) (NLM-5.2)	S25-Jl0066048	CP	% CaCO3	68	67	1.0	20%	Pass	
Acid Neutralising Capacity - (s-ANCbt) (NLM-5.2)	S25-Jl0066048	CP	% S	22	21	1.0	30%	Pass	
Duplicate									
Net Acidity (Including ANC)				Result 1	Result 2	RPD			
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	S25-Jl0066048	CP	mol H+/t	< 10	< 10	<1	30%	Pass	
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	S25-Jl0066048	CP	% S	< 0.02	< 0.02	<1	30%	Pass	
SPOCAS - Liming rate - ASSMAC	S25-Jl0066048	CP	kg CaCO3/t	< 1	< 1	<1	30%	Pass	
s-CRS Suite - Net Acidity - NASSG (including ANC)	S25-Jl0066048	CP	% S	N/A	N/A	N/A	30%	Pass	
CRS Suite - Net Acidity - NASSG (Including ANC)	S25-Jl0066048	CP	mol H+/t	N/A	N/A	N/A	30%	Pass	
CRS Suite - Liming Rate - NASSG (Including ANC)	S25-Jl0066048	CP	kg CaCO3/t	N/A	N/A	N/A	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	-.1°C
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
S01	Liming rate is calculated and reported on a dry weight basis assuming use of fine agricultural lime (CaCO3) and using a safety factor of 1.5 to allow for non-homogeneous mixing and poor reactivity of lime. For conversion of Liming Rate from 'kg/t dry weight' to 'kg/m3 in-situ soil' multiply 'reported results' x 'wet bulk density of soil in t/m3'
S02	Retained Acidity is Reported when the pHKCl is less than pH 4.5
S03	Acid Neutralising Capacity is only required if the pHKCl if greater than or equal to pH 6.5
S04	Acid Sulfate Soil Samples have a 24 hour holding time unless frozen or dried within that period

Authorised by:

Nileshni Goundar	Analytical Services Manager
Jonathon Angell	Senior Analyst-SPOCAS
Ryan Phillips	Senior Analyst-Sample Properties



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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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573

Order No.:
Report #: 1248271
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 24, 2025 1:53 AM
Due: Jul 31, 2025
Priority: 5 Day
Contact Name: STEVEN DRYSDALE

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Moisture Set	ASS Super Suite
Sydney Laboratory - NATA # 1261 Site # 18217						X	
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780							X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	BH10_0.7	Jun 30, 2025		Soil	S25-Jl0066044	X	X
2	BH10_3.0	Jun 30, 2025		Soil	S25-Jl0066045	X	X
3	BH07_2.0	Jun 30, 2025		Soil	S25-Jl0066046	X	X
4	BH07_4.0	Jun 30, 2025		Soil	S25-Jl0066048	X	X
5	BH02_3.0	Jul 02, 2025		Soil	S25-Jl0066049	X	X
6	BH02_5.2	Jul 02, 2025		Soil	S25-Jl0066050	X	X
Test Counts						6	6

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Site# 2370 & 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: STEVEN DRYSDALE
Project name: ADDITIONAL: Lord Howe Island Environmental Services - WMF - BATCH 1
Project ID: 30013573
Turnaround time: 5 Day
Date/Time received Jul 24, 2025 1:53 AM
Eurofins reference 1248271

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : -.1 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	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:

Adam Bateup on phone : or by email: Adam.Bateup@eurofinsanz.com

Results will be delivered electronically via email to STEVEN DRYSDALE - STEVEN.DRYSDALE@SMEC.COM.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

Outlook

Report 1240933 Additional Analysis

From Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Date Thu 24/07/2025 11:53 AM
To Adam Bateup <Adam.Bateup@eurofinsanz.com>
Cc Steven DRYSDALE <Steven.Drysdale@smec.com>

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 Adam,

Could the following samples please be run for S16 ASS Super Suite SPOCAS and CRS:

BH10_0.7
BH10_3.0
BH07_2.0
BH07_4.0
BH02_3.0
BH02_5.2

Best regards,

Jordan PETRACCARO
Environmental Scientist - Contaminated Land
T +61 2 9925 5525 **E** Jordan.Petraccaro@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

Supporting work-life balance is important at SMEC. If you receive an email outside your working hours, you are not expected to read it, act on it, or reply outside of your own work schedule.

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SMEC acknowledges the Traditional Custodians of Country throughout Australia and their connections to land, sea and community. We pay our respect to their Elders past and present, and extend that respect to all First Nations peoples.

Disclaimer: The information contained in this e-mail and any attached file is confidential. It is intended solely for the addressee, and may not be used, reproduced, disclosed or distributed without SMEC's permission. SMEC accepts no
liability for loss or damage (whether caused by negligence or not) resulting from the use of any attached files.

CERTIFICATE OF ANALYSIS

Work Order	: **ES2520523**	Page	: 1 of 18
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Contact	: Customer Services ES
Address	: LEVEL 2 6-8 REGENT STREET WOLLONGONG 2500	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: 30013573 Lord Howe Island Environmental Services - WMF - BATCH 1	Date Samples Received	: 07-Jul-2025 14:15
Order number	: 30013573	Date Analysis Commenced	: 07-Jul-2025
C-O-C number	: ----	Issue Date	: 09-Jul-2025 16:11
Sampler	: JORDAN PETRACCARO		
Site	: Lord Howe Island		
Quote number	: EN/111		
No. of samples received	: 4		
No. of samples analysed	: 4		

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*
Alex Rossi	Organic Chemist	Sydney Inorganics, Smithfield, NSW
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Rassem Ayoubi	Senior Organic Chemist	Sydney Organics, Smithfield, NSW
Sanjeshni Jyoti	Senior Chemist Volatiles	Sydney Organics, Smithfield, NSW

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-dichlorothene, trans-1,2-dichlorothene, 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.
- EP075: Where reported, 'Sum of PAH' is the sum of the USEPA 16 priority PAHs
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) 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.
- 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.

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA01a	QA02a	QA03a	QA04a	----
				Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit		ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
					Result	Result	Result	Result	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		**11.8**	**4.8**	**4.9**	**9.9**	----
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		**9**	<5	<5	<5	----
Cadmium	7440-43-9	1	mg/kg		<1	<1	<1	<1	----
Chromium	7440-47-3	2	mg/kg		**17**	<2	**4**	**8**	----
Copper	7440-50-8	5	mg/kg		**22**	<5	**6**	**9**	----
Lead	7439-92-1	5	mg/kg		**19**	<5	<5	**8**	----
Nickel	7440-02-0	2	mg/kg		**19**	<2	**5**	**8**	----
Zinc	7440-66-6	5	mg/kg		**86**	<5	**39**	**88**	----
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		<0.1	<0.1	<0.1	<0.1	----
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		<0.1	<0.1	<0.1	<0.1	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
beta-BHC	319-85-7	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
delta-BHC	319-86-8	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Heptachlor	76-44-8	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Aldrin	309-00-2	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
^ Total Chlordane (sum)	----	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
trans-Chlordane	5103-74-2	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
alpha-Endosulfan	959-98-8	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
cis-Chlordane	5103-71-9	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Dieldrin	60-57-1	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP068A: Organochlorine Pesticides (OC) - Continued								
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA01a	QA02a	QA03a	QA04a	----
				Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit		ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
					Result	Result	Result	Result	----
EP068B: Organophosphorus Pesticides (OP) - Continued									
Bromophos-ethyl	4824-78-6	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Fenamiphos	22224-92-6	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Prothiofos	34643-46-4	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Ethion	563-12-2	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	----
EP074A: Monocyclic Aromatic Hydrocarbons									
Styrene	100-42-5	0.5	mg/kg		<0.5	----	----	----	----
Isopropylbenzene	98-82-8	0.5	mg/kg		<0.5	----	----	----	----
n-Propylbenzene	103-65-1	0.5	mg/kg		<0.5	----	----	----	----
1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg		<0.5	----	----	----	----
sec-Butylbenzene	135-98-8	0.5	mg/kg		<0.5	----	----	----	----
1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg		<0.5	----	----	----	----
tert-Butylbenzene	98-06-6	0.5	mg/kg		<0.5	----	----	----	----
p-Isopropyltoluene	99-87-6	0.5	mg/kg		<0.5	----	----	----	----
n-Butylbenzene	104-51-8	0.5	mg/kg		<0.5	----	----	----	----
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	5	mg/kg		<5	----	----	----	----
2-Butanone (MEK)	78-93-3	5	mg/kg		<5	----	----	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg		<5	----	----	----	----
2-Hexanone (MBK)	591-78-6	5	mg/kg		<5	----	----	----	----
EP074C: Sulfonated Compounds									
Carbon disulfide	75-15-0	0.5	mg/kg		<0.5	----	----	----	----
EP074D: Fumigants									
2.2-Dichloropropane	594-20-7	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg		<0.5	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP074D: Fumigants - Continued								
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	<5	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	<5	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	<5	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	<5	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	<5	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	<0.5	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg	<0.5	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg	<0.5	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP074E: Halogenated Aliphatic Compounds - Continued								
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	----	----	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg	<0.5	----	----	----	----
2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	----	----	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	<0.5	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg	<0.5	----	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	<1	<1	<1	----
2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Pentachlorophenol	87-86-5	2	mg/kg	<2	<2	<2	<2	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg	**0.6**	**0.6**	**0.6**	**0.6**	----
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg	**1.2**	**1.2**	**1.2**	**1.2**	----
EP075A: 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	0.5	mg/kg	<0.5	----	----	----	----
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	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP075A: 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	1	mg/kg	<1	----	----	----	----
EP075B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	----	----	----
2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	----	----	----	----
2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	----	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	----	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	----	----
N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	----	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	----	----	----	----
7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	----	----
3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA01a	QA02a	QA03a	QA04a	----
				Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit		ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
					Result	Result	Result	Result	----
EP075B: Polynuclear Aromatic Hydrocarbons - Continued									
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		<0.5	----	----	----	----
^ Sum of PAHs	----	0.5	mg/kg		<0.5	----	----	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg		<0.5	----	----	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg		**0.6**	----	----	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg		**1.2**	----	----	----	----
EP075C: Phthalate Esters									
Dimethyl phthalate	131-11-3	0.5	mg/kg		<0.5	----	----	----	----
Diethyl phthalate	84-66-2	0.5	mg/kg		<0.5	----	----	----	----
Di-n-butyl phthalate	84-74-2	0.5	mg/kg		<0.5	----	----	----	----
Butyl benzyl phthalate	85-68-7	0.5	mg/kg		<0.5	----	----	----	----
bis(2-ethylhexyl) phthalate	117-81-7	5.0	mg/kg		<5.0	----	----	----	----
Di-n-octylphthalate	117-84-0	0.5	mg/kg		<0.5	----	----	----	----
EP075D: Nitrosamines									
N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosodiethylamine	55-18-5	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosopyrrolidine	930-55-2	1.0	mg/kg		<1.0	----	----	----	----
N-Nitrosomorpholine	59-89-2	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosopiperidine	100-75-4	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosodibutylamine	924-16-3	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	1.0	mg/kg		<1.0	----	----	----	----
Methapyrilene	91-80-5	0.5	mg/kg		<0.5	----	----	----	----
EP075E: Nitroaromatics and Ketones									
2-Picoline	109-06-8	0.5	mg/kg		<0.5	----	----	----	----
Acetophenone	98-86-2	0.5	mg/kg		<0.5	----	----	----	----
Nitrobenzene	98-95-3	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP075E: Nitroaromatics and Ketones - Continued								
Isophorone	78-59-1	0.5	mg/kg	<0.5	----	----	----	----
2.6-Dinitrotoluene	606-20-2	1.0	mg/kg	<1.0	----	----	----	----
2.4-Dinitrotoluene	121-14-2	1.0	mg/kg	<1.0	----	----	----	----
1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	----	----	----	----
4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	----	----	----	----
5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	----	----	----	----
Azobenzene	103-33-3	1	mg/kg	<1	----	----	----	----
1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	----	----	----	----
Phenacetin	62-44-2	0.5	mg/kg	<0.5	----	----	----	----
4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	----	----	----	----
Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	----	----	----	----
Pronamide	23950-58-5	0.5	mg/kg	<0.5	----	----	----	----
Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	----	----	----	----
Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	----	----	----	----
EP075F: Haloethers								
Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	----	----	----	----
Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	----	----	----	----
4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	----	----	----	----
4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	----	----	----	----
EP075G: Chlorinated Hydrocarbons								
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	----	----	----	----
Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	----	----	----	----
Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP075G: Chlorinated Hydrocarbons - Continued								
Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	----	----	----	----
Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	1.0	mg/kg	<1.0	----	----	----	----
EP075H: Anilines and Benzidines								
Aniline	62-53-3	0.5	mg/kg	<0.5	----	----	----	----
4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	----	----	----	----
2-Nitroaniline	88-74-4	1.0	mg/kg	<1.0	----	----	----	----
3-Nitroaniline	99-09-2	1.0	mg/kg	<1.0	----	----	----	----
Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	----	----	----	----
4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	----	----	----	----
Carbazole	86-74-8	0.5	mg/kg	<0.5	----	----	----	----
3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	----	----	----	----
EP075I: Organochlorine Pesticides								
alpha-BHC	319-84-6	0.5	mg/kg	<0.5	----	----	----	----
beta-BHC	319-85-7	0.5	mg/kg	<0.5	----	----	----	----
gamma-BHC - (Lindane)	58-89-9	0.5	mg/kg	<0.5	----	----	----	----
delta-BHC	319-86-8	0.5	mg/kg	<0.5	----	----	----	----
Heptachlor	76-44-8	0.5	mg/kg	<0.5	----	----	----	----
Aldrin	309-00-2	0.5	mg/kg	<0.5	----	----	----	----
Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	----	----	----	----
alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	----	----	----	----
4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	----	----	----	----
Dieldrin	60-57-1	0.5	mg/kg	<0.5	----	----	----	----
Endrin	72-20-8	0.5	mg/kg	<0.5	----	----	----	----
beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	----	----	----	----
4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	----	----	----	----
Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP075I: Organochlorine Pesticides - Continued								
4.4`-DDT	50-29-3	1.0	mg/kg	<1.0	----	----	----	----
EP075J: Organophosphorus Pesticides								
Dichlorvos	62-73-7	0.5	mg/kg	<0.5	----	----	----	----
Dimethoate	60-51-5	0.5	mg/kg	<0.5	----	----	----	----
Diazinon	333-41-5	0.5	mg/kg	<0.5	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	----	----	----	----
Malathion	121-75-5	0.5	mg/kg	<0.5	----	----	----	----
Fenthion	55-38-9	0.5	mg/kg	<0.5	----	----	----	----
Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	----	----	----	----
Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	----	----	----	----
Prothiofos	34643-46-4	0.5	mg/kg	<0.5	----	----	----	----
Ethion	563-12-2	0.5	mg/kg	<0.5	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	----
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	----
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	----
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	----
^ **C10 - C36 Fraction (sum)**	----	50	mg/kg	<50	<50	<50	<50	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	<10	<10	----
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	10	mg/kg	<10	<10	<10	<10	----
>C10 - C16 Fraction	----	50	mg/kg	<50	<50	<50	<50	----
>C16 - C34 Fraction	----	100	mg/kg	<100	<100	<100	<100	----
>C34 - C40 Fraction	----	100	mg/kg	<100	<100	<100	<100	----
^ **>C10 - C40 Fraction (sum)**	----	50	mg/kg	<50	<50	<50	<50	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA01a	QA02a	QA03a	QA04a	----
			Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit	ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
				Result	Result	Result	Result	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued								
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	50	mg/kg	<50	<50	<50	<50	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
^ **Sum of BTEX**	----	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
^ **Total Xylenes**	----	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----
Naphthalene	91-20-3	1	mg/kg	<1	<1	<1	<1	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	**0.0004**	<0.0002	<0.0002	<0.0002	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	**0.0004**	<0.0002	<0.0002	<0.0002	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	**0.0024**	<0.0002	<0.0002	<0.0002	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	**0.0004**	<0.0002	<0.0002	<0.0002	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0326**	**0.0014**	<0.0002	**0.0002**	----
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0002	mg/kg	**0.0006**	<0.0002	<0.0002	<0.0002	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	**0.0004**	<0.0002	<0.0002	<0.0002	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	**0.0007**	**0.0016**	<0.0002	<0.0002	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	**0.0013**	**0.0022**	<0.0002	<0.0002	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA01a	QA02a	QA03a	QA04a	----
				Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit		ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
					Result	Result	Result	Result	----
EP231B: Perfluoroalkyl Carboxylic Acids - Continued									
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		**0.0003**	**0.0007**	<0.0002	<0.0002	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		**0.0013**	**0.0020**	<0.0002	<0.0002	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	**0.0004**	<0.0002	<0.0002	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		**0.0005**	**0.0008**	<0.0002	<0.0002	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		**0.0002**	**0.0002**	<0.0002	<0.0002	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<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	<0.0005	<0.0005	<0.0005	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA01a	QA02a	QA03a	QA04a	----
				Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit		ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
					Result	Result	Result	Result	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued									
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0415**	**0.0093**	<0.0002	**0.0002**	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0350**	**0.0014**	<0.0002	**0.0002**	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0390**	**0.0079**	<0.0002	**0.0002**	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		**94.9**	**111**	**90.1**	**83.0**	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		**77.2**	**97.6**	**84.8**	**83.0**	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		**82.9**	**89.6**	**77.2**	**73.6**	----
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.5	%		**91.2**	----	----	----	----
Toluene-D8	2037-26-5	0.5	%		**99.9**	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%		**107**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		**87.2**	**85.6**	**83.6**	**84.2**	----
2-Chlorophenol-D4	93951-73-6	0.5	%		**90.0**	**85.2**	**84.6**	**85.2**	----
2.4.6-Tribromophenol	118-79-6	0.5	%		**61.2**	**66.6**	**63.3**	**63.4**	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		**112**	**114**	**113**	**111**	----
Anthracene-d10	1719-06-8	0.5	%		**89.5**	**91.3**	**91.8**	**89.7**	----
4-Terphenyl-d14	1718-51-0	0.5	%		**96.2**	**96.6**	**96.7**	**96.1**	----
EP075S: Acid Extractable Surrogates									
2-Fluorophenol	367-12-4	0.5	%		**97.9**	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA01a	QA02a	QA03a	QA04a	----
				Sampling date / time	30-Jun-2025 00:00	30-Jun-2025 00:00	02-Jul-2025 00:00	02-Jul-2025 00:00	----
Compound	CAS Number	LOR	Unit		ES2520523-001	ES2520523-002	ES2520523-003	ES2520523-004	--------
					Result	Result	Result	Result	----
EP075S: Acid Extractable Surrogates - Continued									
Phenol-d6	13127-88-3	0.5	%		**90.1**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		**93.5**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%		**66.6**	----	----	----	----
EP075T: Base/Neutral Extractable Surrogates									
Nitrobenzene-D5	4165-60-0	0.5	%		**87.9**	----	----	----	----
1.2-Dichlorobenzene-D4	2199-69-1	0.5	%		**88.5**	----	----	----	----
2-Fluorobiphenyl	321-60-8	0.5	%		**87.3**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%		**120**	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		**100**	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		**101**	**110**	**110**	**106**	----
Toluene-D8	2037-26-5	0.2	%		**87.5**	**91.5**	**87.3**	**86.6**	----
4-Bromofluorobenzene	460-00-4	0.2	%		**91.2**	**84.8**	**82.7**	**81.0**	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**93.8**	**92.4**	**97.6**	**94.8**	----
13C8-PFOA	----	0.0002	%		**102**	**98.4**	**100**	**92.7**	----

Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	64	130
Toluene-D8	2037-26-5	66	136
4-Bromofluorobenzene	460-00-4	60	122
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP075S: Acid Extractable Surrogates			
2-Fluorophenol	367-12-4	29	149
Phenol-d6	13127-88-3	32	128
2-Chlorophenol-D4	93951-73-6	32	128
2.4.6-Tribromophenol	118-79-6	13	121
EP075T: Base/Neutral Extractable Surrogates			
Nitrobenzene-D5	4165-60-0	33	125
1.2-Dichlorobenzene-D4	2199-69-1	34	108
2-Fluorobiphenyl	321-60-8	35	121
Anthracene-d10	1719-06-8	35	123
4-Terphenyl-d14	1718-51-0	33	125
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	63	125
Toluene-D8	2037-26-5	67	124
4-Bromofluorobenzene	460-00-4	66	131
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2520523**	Page	: 1 of 25
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Contact	: Customer Services ES
Address	: LEVEL 2 6-8 REGENT STREET WOLLONGONG 2500	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: 30013573 Lord Howe Island Environmental Services - WMF - BATCH 1	Date Samples Received	: 07-Jul-2025
Order number	: 30013573	Date Analysis Commenced	: 07-Jul-2025
C-O-C number	: ----	Issue Date	: 09-Jul-2025
Sampler	: JORDAN PETRACCARO		
Site	: Lord Howe Island		
Quote number	: EN/111		
No. of samples received	: 4		
No. of samples analysed	: 4		

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*
Alex Rossi	Organic Chemist	Sydney Inorganics, Smithfield, NSW
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Rassem Ayoubi	Senior Organic Chemist	Sydney Organics, Smithfield, NSW
Sanjeshni Jyoti	Senior Chemist Volatiles	Sydney Organics, Smithfield, NSW

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: 6703470)									
ES2520523-001	QA01a	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	17	14	21.5	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	19	15	27.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	9	6	32.5	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	22	18	14.5	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	19	23	16.7	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	86	94	9.0	0% - 50%
ES2520499-008	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	16	19	17.4	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	12	10	20.4	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	8	8	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	14	12	13.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	18	14	23.7	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	20	22	7.3	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6702698)									
ES2520055-001	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	8.7	8.8	0.0	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6703475)									
ES2520489-003	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	11.4	11.3	1.0	0% - 50%
ES2520499-009	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	11.0	12.2	9.9	0% - 50%
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6703471)									

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 (%)*
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6703471) - continued									
ES2520499-008	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 6702431)									
ES2520523-001	QA01a	EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 6702430)									
ES2520523-001	QA01a	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
		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: 6702430)									
ES2520523-001	QA01a	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

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 (%)*
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 6702430) - continued									
ES2520523-001	QA01a	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
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 6702476)									
ES2520523-001	QA01a	EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 6702476)									
ES2520523-001	QA01a	EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	<5	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 6702476)									
ES2520523-001	QA01a	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074D: Fumigants (QC Lot: 6702476)									
ES2520523-001	QA01a	EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 6702476)									
ES2520523-001	QA01a	EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	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 (%)*
EP074E: Halogenated Aliphatic Compounds (QC Lot: 6702476) - continued									
ES2520523-001	QA01a	EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloromethane	74-87-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Bromomethane	74-83-9	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloroethane	75-00-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	<5	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 6702476)									
ES2520523-001	QA01a	EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 6702476)									
ES2520523-001	QA01a	EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075(SIM)A: Phenolic Compounds (QC Lot: 6702429)									
ES2520523-001	QA01a	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

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: 6702429) - continued									
ES2520523-001	QA01a	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
		EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	<2	0.0	No Limit
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6702429)									
ES2520523-001	QA01a	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	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		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): Dibenz(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
		EP075(SIM): Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075A: Phenolic Compounds (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4-Dichlorophenol	120-83-2	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 (%)*
EP075A: Phenolic Compounds (QC Lot: 6702432) - continued									
ES2520523-001	QA01a	EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachlorophenol	87-86-5	1	mg/kg	<1	<1	0.0	No Limit
EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	<1	0.0	No Limit
EP075C: Phthalate Esters (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075D: Nitrosamines (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosopyrrolidine	930-55-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	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 (%)*
EP075D: Nitrosamines (QC Lot: 6702432) - continued									
ES2520523-001	QA01a	EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075E: Nitroaromatics and Ketones (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.6-Dinitrotoluene	606-20-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 2.4-Dinitrotoluene	121-14-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pronamide	23950-58-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Azobenzene	103-33-3	1	mg/kg	<1	<1	0.0	No Limit
EP075F: Haloethers (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075G: Chlorinated Hydrocarbons (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachloropropylene	1888-71-7	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 (%)*
EP075G: Chlorinated Hydrocarbons (QC Lot: 6702432) - continued									
ES2520523-001	QA01a	EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachlorobenzene (HCB)	118-74-1	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	<2.5	0.0	No Limit
EP075H: Anilines and Benzidines (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Nitroaniline	88-74-4	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 3-Nitroaniline	99-09-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075I: Organochlorine Pesticides (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: alpha-BHC	319-84-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: beta-BHC	319-85-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: gamma-BHC - (Lindane)	58-89-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: delta-BHC	319-86-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDT	50-29-3	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
EP075J: Organophosphorus Pesticides (QC Lot: 6702432)									
ES2520523-001	QA01a	EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorpyrifos	2921-88-2	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 (%)*
EP075J: Organophosphorus Pesticides (QC Lot: 6702432) - continued									
ES2520523-001	QA01a	EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6702428)									
ES2520523-001	QA01a	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 Petroleum Hydrocarbons (QC Lot: 6702474)									
ES2520523-001	QA01a	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6702428)									
ES2520523-001	QA01a	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
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6702474)									
ES2520523-001	QA01a	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080: BTEXN (QC Lot: 6702474)									
ES2520523-001	QA01a	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	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		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: 6703771)									
ES2520523-001	QA01a	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0004	0.0002	55.4	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0004	0.0002	62.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0024	0.0017	36.3	0% - 50%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0004	0.0003	32.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0326	0.0320	1.9	0% - 20%
		EP231X: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0002	mg/kg	0.0006	0.0007	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	0.0004	0.0004	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: 6703771)									
ES2520523-001	QA01a	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0007	0.0004	57.4	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0013	0.0008	48.5	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	0.0003	<0.0002	42.4	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: 6703771) - continued									
ES2520523-001	QA01a	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0013	0.0009	36.6	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	0.0005	0.0004	27.5	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: 6703771)									
ES2520523-001	QA01a	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
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6703771)									
ES2520523-001	QA01a	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

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**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6703470)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	121.1 mg/kg	93.0	88.0	113
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	0.74 mg/kg	85.5	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	19.6 mg/kg	101	68.0	132
EG005T: Copper	7440-50-8	5	mg/kg	<5	52.9 mg/kg	102	89.0	111
EG005T: Lead	7439-92-1	5	mg/kg	<5	60.8 mg/kg	95.6	82.0	119
EG005T: Nickel	7440-02-0	2	mg/kg	<2	15.3 mg/kg	91.4	80.0	120
EG005T: Zinc	7440-66-6	5	mg/kg	<5	139.3 mg/kg	90.4	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 6703471)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	90.9	70.0	125
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6702431)								
EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	1 mg/kg	80.2	62.0	126
EP068A: Organochlorine Pesticides (OC) (QCLot: 6702430)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	92.2	69.0	113
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	97.9	65.0	117
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	95.2	67.0	119
EP068: gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	96.4	68.0	116
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	81.0	65.0	117
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	89.4	67.0	115
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	94.1	69.0	115
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	95.6	62.0	118
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	96.2	63.0	117
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	102	66.0	116
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	96.0	64.0	116
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	93.1	66.0	116
EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	96.0	67.0	115
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	93.8	67.0	123
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	96.8	69.0	115
EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	97.8	69.0	121
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	91.0	56.0	120
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	104	62.0	124

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP068A: Organochlorine Pesticides (OC) (QCLot: 6702430) - continued								
EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	98.3	66.0	120
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	101	64.0	122
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	98.5	54.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 6702430)								
EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	0.5 mg/kg	103	59.0	119
EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	102	62.0	128
EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	0.5 mg/kg	93.3	54.0	126
EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	0.5 mg/kg	101	67.0	119
EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	0.5 mg/kg	100.0	70.0	120
EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	0.5 mg/kg	94.8	72.0	120
EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	0.5 mg/kg	90.7	68.0	120
EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	0.5 mg/kg	93.6	68.0	122
EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	0.5 mg/kg	93.7	69.0	117
EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	0.5 mg/kg	92.9	76.0	118
EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	0.5 mg/kg	89.4	64.0	122
EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	0.5 mg/kg	97.9	70.0	116
EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	0.5 mg/kg	95.8	69.0	121
EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	0.5 mg/kg	97.1	66.0	118
EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	0.5 mg/kg	103	68.0	124
EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	0.5 mg/kg	98.7	62.0	112
EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	0.5 mg/kg	93.9	68.0	120
EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	0.5 mg/kg	104	65.0	127
EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	0.5 mg/kg	98.7	41.0	123
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 6702476)								
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	93.2	67.0	113
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	96.1	65.0	117
EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	1 mg/kg	95.1	66.0	122
EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	1 mg/kg	92.2	68.0	118
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	94.6	69.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	92.6	69.0	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	93.1	69.0	115
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	92.9	66.0	118
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	94.0	59.0	125
EP074B: Oxygenated Compounds (QCLot: 6702476)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074B: Oxygenated Compounds (QCLot: 6702476) - continued								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	76.8	29.6	156
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	86.4	58.0	136
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	98.1	62.0	132
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	87.4	54.0	136
EP074C: Sulfonated Compounds (QCLot: 6702476)								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	83.6	54.0	126
EP074D: Fumigants (QCLot: 6702476)								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	92.2	60.0	126
EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	1 mg/kg	96.6	68.0	124
EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	1 mg/kg	92.3	51.0	119
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	91.2	52.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	101	63.0	115
EP074E: Halogenated Aliphatic Compounds (QCLot: 6702476)								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	65.8	30.0	148
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	88.8	41.0	141
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	85.6	43.0	147
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	98.6	47.0	141
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	108	49.0	143
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	94.4	49.0	135
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	104	54.0	126
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	111	43.0	129
EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	1 mg/kg	98.1	64.0	120
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	100	67.0	125
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	94.6	69.0	121
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	94.9	65.0	117
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	94.7	65.0	123
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	85.2	59.0	125
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	98.9	65.0	125
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	95.9	70.0	118
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	96.6	68.0	118
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	103	64.0	126
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	99.1	68.0	122
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	96.5	67.0	143
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	83.4	62.0	122

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 6702476) - continued								
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	95.9	54.0	128
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	87.7	55.0	129
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	100	65.0	121
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	99.7	61.0	125
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	71.7	19.8	134
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	75.6	53.0	129
EP074F: Halogenated Aromatic Compounds (QCLot: 6702476)								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	99.9	68.0	116
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	93.0	70.0	114
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	95.7	68.0	122
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	97.2	67.0	123
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	90.0	52.0	122
EP074G: Trihalomethanes (QCLot: 6702476)								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	98.2	66.0	124
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	85.6	61.0	121
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	75.8	63.0	121
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	66.5	60.0	126
EP075(SIM)A: Phenolic Compounds (QCLot: 6702429)								
EP075(SIM): Phenol	108-95-2	0.5	mg/kg	<0.5	6 mg/kg	84.1	71.0	125
EP075(SIM): 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	6 mg/kg	89.7	72.0	124
EP075(SIM): 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	6 mg/kg	98.5	71.0	123
EP075(SIM): 3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	12 mg/kg	102	67.0	127
EP075(SIM): 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	6 mg/kg	88.5	54.0	114
EP075(SIM): 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	6 mg/kg	91.2	68.0	126
EP075(SIM): 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	6 mg/kg	98.6	66.0	120
EP075(SIM): 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	6 mg/kg	106	70.0	120
EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	6 mg/kg	98.9	70.0	116
EP075(SIM): 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	6 mg/kg	94.7	54.0	114
EP075(SIM): 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	6 mg/kg	91.2	60.0	114
EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	12 mg/kg	41.8	10.0	80.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6702429)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	6 mg/kg	113	77.0	125
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	6 mg/kg	96.6	72.0	124
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	6 mg/kg	109	73.0	127

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6702429) - continued								
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	6 mg/kg	97.3	72.0	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	6 mg/kg	99.6	75.0	127
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	6 mg/kg	93.7	77.0	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	6 mg/kg	102	73.0	127
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	6 mg/kg	102	74.0	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	6 mg/kg	103	69.0	123
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	6 mg/kg	86.4	75.0	127
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	6 mg/kg	93.8	68.0	116
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	6 mg/kg	110	74.0	126
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	6 mg/kg	106	70.0	126
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	6 mg/kg	112	61.0	121
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	6 mg/kg	104	62.0	118
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	6 mg/kg	85.2	63.0	121
EP075A: Phenolic Compounds (QCLot: 6702432)								
EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	1.5 mg/kg	89.7	64.0	114
EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	1.5 mg/kg	91.2	57.0	115
EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	1.5 mg/kg	92.0	55.0	117
EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<0.5	1.5 mg/kg	79.8	46.0	122
EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	80.9	47.0	117
EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	1.5 mg/kg	80.1	13.7	108
EP075: 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	1.5 mg/kg	78.2	47.0	105
EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	1.5 mg/kg	92.7	48.0	110
EP075: 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	1.5 mg/kg	71.9	57.0	113
EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	1.5 mg/kg	82.8	49.0	109
EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	1.5 mg/kg	88.3	49.0	107
EP075: Pentachlorophenol	87-86-5	1	mg/kg	<1	3 mg/kg	60.3	12.0	76.0
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6702432)								
EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	1.5 mg/kg	89.5	62.0	118
EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	1.5 mg/kg	95.0	58.0	116
EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	1.5 mg/kg	95.9	54.0	112
EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	1.5 mg/kg	97.1	56.0	114
EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	1.5 mg/kg	92.4	62.0	112
EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	81.0	59.0	115

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6702432) - continued								
EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	1.5 mg/kg	96.1	63.0	113
EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	1.5 mg/kg	104	57.0	111
EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	1.5 mg/kg	110	58.0	114
EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	1.5 mg/kg	109	57.0	117
EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	1.5 mg/kg	65.6	58.0	114
EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	86.8	59.0	115
EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	1.5 mg/kg	94.9	61.0	117
EP075: Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	3 mg/kg	81.0	57.0	119
EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	1.5 mg/kg	89.9	48.1	106
EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	1.5 mg/kg	103	56.0	116
EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	1.5 mg/kg	77.3	50.0	116
EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	1.5 mg/kg	65.6	55.0	117
EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	1.5 mg/kg	64.3	53.0	119
EP075: Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	1.5 mg/kg	65.0	56.0	120
EP075C: Phthalate Esters (QCLot: 6702432)								
EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	1.5 mg/kg	116	60.0	118
EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	1.5 mg/kg	107	65.0	115
EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	1.5 mg/kg	99.5	65.0	121
EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	1.5 mg/kg	77.6	62.0	116
EP075: bis(2-ethylhexyl) phthalate	117-81-7	----	mg/kg	----	1.5 mg/kg	87.2	69.0	133
EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	1.5 mg/kg	75.0	62.0	124
EP075D: Nitrosamines (QCLot: 6702432)								
EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	1.5 mg/kg	80.9	39.4	124
EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	1.5 mg/kg	87.3	59.0	117
EP075: N-Nitrosopyrrolidine	930-55-2	0.5	mg/kg	<0.5	1.5 mg/kg	76.0	53.0	125
EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	1.5 mg/kg	75.6	65.0	121
EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	1.5 mg/kg	75.3	59.0	123
EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	1.5 mg/kg	90.6	57.0	115
EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	1.5 mg/kg	81.1	57.0	119
EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5	mg/kg	<0.6	3 mg/kg	89.3	42.0	112
EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	1.5 mg/kg	61.7	16.3	123
EP075E: Nitroaromatics and Ketones (QCLot: 6702432)								
EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	1.5 mg/kg	82.3	27.3	129

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP075E: Nitroaromatics and Ketones (QCLot: 6702432) - continued								
EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	1.5 mg/kg	83.9	60.0	116
EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	1.5 mg/kg	85.0	65.0	119
EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	1.5 mg/kg	94.6	62.0	116
EP075: 2.6-Dinitrotoluene	606-20-2	0.5	mg/kg	<0.5	1.5 mg/kg	107	58.0	118
EP075: 2.4-Dinitrotoluene	121-14-2	0.5	mg/kg	<0.5	1.5 mg/kg	93.8	59.0	115
EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	1.5 mg/kg	44.1	18.0	112
EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	1.5 mg/kg	71.1	10.0	87.0
EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	1.5 mg/kg	72.4	48.3	98.5
EP075: Azobenzene	103-33-3	1	mg/kg	<1	1.5 mg/kg	79.9	62.0	118
EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	1.5 mg/kg	63.2	36.0	114
EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	1.5 mg/kg	81.7	62.0	114
EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	1.5 mg/kg	78.9	36.1	102
EP075: Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	1.5 mg/kg	# 111	56.0	110
EP075: Pronamide	23950-58-5	0.5	mg/kg	<0.5	1.5 mg/kg	86.0	54.0	110
EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	1.5 mg/kg	87.8	48.0	108
EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	1.5 mg/kg	67.6	57.4	112
EP075F: Haloethers (QCLot: 6702432)								
EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	1.5 mg/kg	90.1	63.0	121
EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	1.5 mg/kg	80.3	59.0	115
EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	1.5 mg/kg	83.1	58.0	112
EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	98.4	58.0	110
EP075G: Chlorinated Hydrocarbons (QCLot: 6702432)								
EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1.5 mg/kg	98.0	58.0	112
EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1.5 mg/kg	82.9	58.0	116
EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1.5 mg/kg	84.3	57.0	115
EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	1.5 mg/kg	78.1	54.0	116
EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1.5 mg/kg	85.8	62.9	108
EP075: Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	1.5 mg/kg	90.4	39.1	110
EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1.5 mg/kg	97.8	59.0	117
EP075: Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	1.5 mg/kg	34.6	24.3	108
EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	1.5 mg/kg	90.0	57.0	109
EP075: Hexachlorobenzene (HCB)	118-74-1	0.5	mg/kg	<0.5	1.5 mg/kg	96.3	59.0	111
EP075H: Anilines and Benzidines (QCLot: 6702432)								
EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	1.5 mg/kg	88.5	13.2	108

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP075H: Anilines and Benzidines (QCLot: 6702432) - continued								
EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	1.5 mg/kg	39.4	20.5	99.0
EP075: 2-Nitroaniline	88-74-4	0.5	mg/kg	<0.5	1.5 mg/kg	100	52.0	112
EP075: 3-Nitroaniline	99-09-2	0.5	mg/kg	<0.5	1.5 mg/kg	77.0	31.5	93.7
EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	1.5 mg/kg	87.2	60.0	110
EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	1.5 mg/kg	87.7	42.0	112
EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	1.5 mg/kg	107	59.0	111
EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	1.5 mg/kg	69.7	23.1	113
EP075I: Organochlorine Pesticides (QCLot: 6702432)								
EP075: alpha-BHC	319-84-6	0.5	mg/kg	<0.5	1.5 mg/kg	105	63.0	113
EP075: beta-BHC	319-85-7	0.5	mg/kg	<0.5	1.5 mg/kg	109	57.0	113
EP075: gamma-BHC - (Lindane)	58-89-9	0.5	mg/kg	<0.5	1.5 mg/kg	# 122	61.0	117
EP075: delta-BHC	319-86-8	0.5	mg/kg	<0.5	1.5 mg/kg	101	64.0	118
EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	1.5 mg/kg	93.3	55.0	115
EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	1.5 mg/kg	102	61.0	115
EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	1.5 mg/kg	95.1	56.0	118
EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	1.5 mg/kg	117	65.0	125
EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	1.5 mg/kg	102	60.0	116
EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	1.5 mg/kg	98.2	64.0	118
EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	1.5 mg/kg	73.9	53.0	117
EP075: beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	1.5 mg/kg	78.8	65.0	115
EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	1.5 mg/kg	79.8	62.0	118
EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	1.5 mg/kg	92.2	63.0	129
EP075: 4.4`-DDT	50-29-3	0.5	mg/kg	<0.5	1.5 mg/kg	78.5	46.0	122
EP075J: Organophosphorus Pesticides (QCLot: 6702432)								
EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	81.6	46.0	112
EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	1.5 mg/kg	92.0	63.0	119
EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	1.5 mg/kg	93.9	68.0	134
EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	1.5 mg/kg	95.1	60.0	130
EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	96.9	65.0	127
EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	1.5 mg/kg	94.9	60.0	116
EP075: Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	1.5 mg/kg	101	63.0	113
EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	1.5 mg/kg	103	65.0	115
EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	1.5 mg/kg	66.5	59.0	103
EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	1.5 mg/kg	109	59.0	119

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075J: Organophosphorus Pesticides (QCLot: 6702432) - continued								
EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	1.5 mg/kg	86.2	62.0	118
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6702428)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	300 mg/kg	91.5	75.0	129
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	450 mg/kg	88.6	77.0	131
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	300 mg/kg	92.4	71.0	129
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6702474)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	26 mg/kg	83.3	72.2	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6702428)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	375 mg/kg	91.2	77.0	125
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	525 mg/kg	91.3	74.0	138
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	225 mg/kg	94.2	63.0	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6702474)								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	31 mg/kg	89.3	72.4	133
EP080: BTEXN (QCLot: 6702474)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	103	76.0	124
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	88.9	78.5	121
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	90.8	77.4	121
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	96.6	78.2	121
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	94.8	81.3	121
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	94.0	78.8	122
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6703771)								
EP231X: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.0005	mg/kg	<0.0005	0.00125 mg/kg	91.7	70.0	130
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	78.3	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	86.8	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.7	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.1	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.0	68.0	136
EP231X: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	70.0	130
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	105	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6703771)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	76.7	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.0	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	83.5	70.0	132

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6703771) - continued								
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	82.1	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	105	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.0	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	92.0	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.1	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	100	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6703771)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	99.3	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	100	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	106	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	102	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	107	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	99.8	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	92.3	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6703771)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	78.5	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	93.6	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	104	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	105	69.2	143

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**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6703470)							
ES2520489-002	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	93.2	70.0	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	98.7	70.0	130
		EG005T: Chromium	7440-47-3	50 mg/kg	103	68.0	132

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: 6703470) - continued							
ES2520489-002	Anonymous	EG005T: Copper	7440-50-8	250 mg/kg	104	70.0	130
		EG005T: Lead	7439-92-1	250 mg/kg	99.4	70.0	130
		EG005T: Nickel	7440-02-0	50 mg/kg	100	70.0	130
		EG005T: Zinc	7440-66-6	250 mg/kg	100	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 6703471)							
ES2520499-008	Anonymous	EG035T: Mercury	7439-97-6	5 mg/kg	103	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6702431)							
ES2520523-001	QA01a	EP066: Total Polychlorinated biphenyls	----	1 mg/kg	108	70.0	130
EP068A: Organochlorine Pesticides (OC) (QCLot: 6702430)							
ES2520523-001	QA01a	EP068: gamma-BHC - (Lindane)	58-89-9	0.5 mg/kg	106	70.0	130
		EP068: Heptachlor	76-44-8	0.5 mg/kg	90.3	70.0	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	86.4	70.0	130
		EP068: Dieldrin	60-57-1	0.5 mg/kg	93.0	70.0	130
		EP068: Endrin	72-20-8	2 mg/kg	79.3	70.0	130
		EP068: 4.4`-DDT	50-29-3	2 mg/kg	86.4	70.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 6702430)							
ES2520523-001	QA01a	EP068: Diazinon	333-41-5	0.5 mg/kg	115	70.0	130
		EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	92.8	70.0	130
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	86.1	70.0	130
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	105	70.0	130
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	101	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 6702476)							
ES2520523-001	QA01a	EP074: 1.1-Dichloroethene	75-35-4	2.5 mg/kg	94.6	70.0	130
		EP074: Trichloroethene	79-01-6	2.5 mg/kg	90.1	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 6702476)							
ES2520523-001	QA01a	EP074: Chlorobenzene	108-90-7	2.5 mg/kg	94.8	70.0	130
EP075(SIM)A: Phenolic Compounds (QCLot: 6702429)							
ES2520523-001	QA01a	EP075(SIM): Phenol	108-95-2	10 mg/kg	95.4	70.0	130
		EP075(SIM): 2-Chlorophenol	95-57-8	10 mg/kg	81.0	70.0	130
		EP075(SIM): 2-Nitrophenol	88-75-5	10 mg/kg	91.6	60.0	130
		EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	10 mg/kg	97.1	70.0	130
		EP075(SIM): Pentachlorophenol	87-86-5	10 mg/kg	93.1	20.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6702429)							
ES2520523-001	QA01a	EP075(SIM): Acenaphthene	83-32-9	10 mg/kg	96.4	70.0	130
		EP075(SIM): Pyrene	129-00-0	10 mg/kg	93.7	70.0	130
EP075A: Phenolic Compounds (QCLot: 6702432)							

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP075A: Phenolic Compounds (QCLot: 6702432) - continued							
ES2520523-001	QA01a	EP075: Phenol	108-95-2	10 mg/kg	89.0	60.0	130
		EP075: 2-Chlorophenol	95-57-8	10 mg/kg	91.6	60.0	130
		EP075: 2-Nitrophenol	88-75-5	10 mg/kg	94.1	50.0	130
		EP075: 4-Chloro-3-methylphenol	59-50-7	10 mg/kg	86.1	50.0	130
		EP075: Pentachlorophenol	87-86-5	10 mg/kg	99.7	10.0	130
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6702432)							
ES2520523-001	QA01a	EP075: Acenaphthene	83-32-9	10 mg/kg	89.4	50.0	130
		EP075: Pyrene	129-00-0	10 mg/kg	107	50.0	130
EP075D: Nitrosamines (QCLot: 6702432)							
ES2520523-001	QA01a	EP075: N-Nitrosodi-n-propylamine	621-64-7	10 mg/kg	82.9	50.0	130
EP075E: Nitroaromatics and Ketones (QCLot: 6702432)							
ES2520523-001	QA01a	EP075: 2.4-Dinitrotoluene	121-14-2	10 mg/kg	93.6	40.0	130
EP075G: Chlorinated Hydrocarbons (QCLot: 6702432)							
ES2520523-001	QA01a	EP075: 1.4-Dichlorobenzene	106-46-7	10 mg/kg	86.6	60.0	130
		EP075: 1.2.4-Trichlorobenzene	120-82-1	10 mg/kg	88.6	50.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6702428)							
ES2520523-001	QA01a	EP071: C10 - C14 Fraction	----	480 mg/kg	125	73.0	137
		EP071: C15 - C28 Fraction	----	3100 mg/kg	120	53.0	131
		EP071: C29 - C36 Fraction	----	2060 mg/kg	124	52.0	132
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6702474)							
ES2520523-001	QA01a	EP080: C6 - C9 Fraction	----	32.5 mg/kg	84.0	60.4	142
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6702428)							
ES2520523-001	QA01a	EP071: >C10 - C16 Fraction	----	860 mg/kg	121	73.0	137
		EP071: >C16 - C34 Fraction	----	4320 mg/kg	125	53.0	131
		EP071: >C34 - C40 Fraction	----	890 mg/kg	121	52.0	132
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6702474)							
ES2520523-001	QA01a	EP080: C6 - C10 Fraction	C6_C10	37.5 mg/kg	87.4	61.1	142
EP080: BTEXN (QCLot: 6702474)							
ES2520523-001	QA01a	EP080: Benzene	71-43-2	2.5 mg/kg	95.4	62.1	122
		EP080: Toluene	108-88-3	2.5 mg/kg	83.9	66.6	119
		EP080: Ethylbenzene	100-41-4	2.5 mg/kg	90.7	67.4	123
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2.5 mg/kg	95.7	66.4	121
		EP080: ortho-Xylene	95-47-6	2.5 mg/kg	93.0	70.7	121
		EP080: Naphthalene	91-20-3	2.5 mg/kg	91.0	61.1	115
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6703771)							

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6703771) - continued							
ES2520523-001	QA01a	EP231X: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.00125 mg/kg	93.2	70.0	130
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	75.3	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	78.4	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	86.7	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	81.6	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.00125 mg/kg	96.8	70.0	130
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	104	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6703771)							
ES2520523-001	QA01a	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	79.8	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	93.7	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	83.5	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	80.6	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	92.4	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	92.0	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	93.6	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	85.0	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	95.8	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	102	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	101	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6703771)							
ES2520523-001	QA01a	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	111	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	104	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	97.3	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	96.7	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	97.9	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	94.7	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6703771)							
ES2520523-001	QA01a	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	77.1	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	72.7	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	102	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	95.2	69.2	143

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2520523**	Page	: 1 of 10
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Telephone	: +61 2 8784 8555
Project	: 30013573 Lord Howe Island Environmental Services - WMF - BATCH 1	Date Samples Received	: 07-Jul-2025
Site	: Lord Howe Island	Issue Date	: 09-Jul-2025
Sampler	: JORDAN PETRACCARO	No. of samples received	: 4
Order number	: 30013573	No. of samples analysed	: 4

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.**
- **Laboratory Control outliers exist - please see following pages for full details.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **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

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP075E: Nitroaromatics and Ketones	QC-6702432-002	----	**Pentachloronitrobenzene**	82-68-8	111 %	56.0-110%	**Recovery greater than upper control limit**
EP075I: Organochlorine Pesticides	QC-6702432-002	----	**gamma-BHC - (Lindane)**	58-89-9	122 %	61.0-117%	**Recovery greater than upper control limit**
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2520523--001	QA01a	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

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 / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)								
Soil Glass Jar - Unpreserved (EA055) QA03a,	QA04a	**02-Jul-2025**	**----**	----	**----**	**08-Jul-2025**	16-Jul-2025	✓
Soil Glass Jar - Unpreserved (EA055) QA01a		**30-Jun-2025**	**----**	----	**----**	**07-Jul-2025**	14-Jul-2025	✓
Soil Glass Jar - Unpreserved (EA055) QA02a		**30-Jun-2025**	**----**	----	**----**	**08-Jul-2025**	14-Jul-2025	✓
EG005(ED093)T: Total Metals by ICP-AES								
Soil Glass Jar - Unpreserved (EG005T) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	29-Dec-2025	✓	**08-Jul-2025**	29-Dec-2025	✓
Soil Glass Jar - Unpreserved (EG005T) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	27-Dec-2025	✓	**08-Jul-2025**	27-Dec-2025	✓
EG035T: Total Recoverable Mercury by FIMS								
Soil Glass Jar - Unpreserved (EG035T) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	30-Jul-2025	✓	**09-Jul-2025**	30-Jul-2025	✓
Soil Glass Jar - Unpreserved (EG035T) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	28-Jul-2025	✓	**09-Jul-2025**	28-Jul-2025	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP066: Polychlorinated Biphenyls (PCB)							
Soil Glass Jar - Unpreserved (EP066) QA03a, QA04a	**02-Jul-2025**	**08-Jul-2025**	16-Jul-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
Soil Glass Jar - Unpreserved (EP066) QA01a, QA02a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
EP068A: Organochlorine Pesticides (OC)							
Soil Glass Jar - Unpreserved (EP068) QA03a, QA04a	**02-Jul-2025**	**08-Jul-2025**	16-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
Soil Glass Jar - Unpreserved (EP068) QA01a, QA02a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP068B: Organophosphorus Pesticides (OP)							
Soil Glass Jar - Unpreserved (EP068) QA03a, QA04a	**02-Jul-2025**	**08-Jul-2025**	16-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
Soil Glass Jar - Unpreserved (EP068) QA01a, QA02a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP074) QA01a	**30-Jun-2025**	**07-Jul-2025**	07-Jul-2025	✓	**07-Jul-2025**	07-Jul-2025	✓
EP074B: Oxygenated Compounds							
Soil Glass Jar - Unpreserved (EP074) QA01a	**30-Jun-2025**	**07-Jul-2025**	07-Jul-2025	✓	**07-Jul-2025**	07-Jul-2025	✓
EP074C: Sulfonated Compounds							
Soil Glass Jar - Unpreserved (EP074) QA01a	**30-Jun-2025**	**07-Jul-2025**	07-Jul-2025	✓	**07-Jul-2025**	07-Jul-2025	✓
EP074D: Fumigants							
Soil Glass Jar - Unpreserved (EP074) QA01a	**30-Jun-2025**	**07-Jul-2025**	07-Jul-2025	✓	**07-Jul-2025**	07-Jul-2025	✓
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved (EP074) QA01a	**30-Jun-2025**	**07-Jul-2025**	07-Jul-2025	✓	**07-Jul-2025**	07-Jul-2025	✓
EP074F: Halogenated Aromatic Compounds							
Soil Glass Jar - Unpreserved (EP074) QA01a	**30-Jun-2025**	**07-Jul-2025**	07-Jul-2025	✓	**07-Jul-2025**	07-Jul-2025	✓
EP074G: Trihalomethanes							
Soil Glass Jar - Unpreserved (EP074) QA01a	**30-Jun-2025**	**07-Jul-2025**	07-Jul-2025	✓	**07-Jul-2025**	07-Jul-2025	✓
EP075(SIM)A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075(SIM)) QA03a, QA04a	**02-Jul-2025**	**08-Jul-2025**	16-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
Soil Glass Jar - Unpreserved (EP075(SIM)) QA01a, QA02a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM)) QA03a, QA04a	**02-Jul-2025**	**08-Jul-2025**	16-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
Soil Glass Jar - Unpreserved (EP075(SIM)) QA01a, QA02a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075C: Phthalate Esters							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075D: Nitrosamines							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075E: Nitroaromatics and Ketones							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075F: Haloethers							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075G: Chlorinated Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075H: Anilines and Benzidines							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075I: Organochlorine Pesticides							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP075J: Organophosphorus Pesticides							
Soil Glass Jar - Unpreserved (EP075) QA01a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP080/071: Total Petroleum Hydrocarbons								
Soil Glass Jar - Unpreserved (EP080) QA03a,	QA04a	**02-Jul-2025**	**07-Jul-2025**	16-Jul-2025	✓	**07-Jul-2025**	16-Jul-2025	✓
Soil Glass Jar - Unpreserved (EP071) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	16-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
Soil Glass Jar - Unpreserved (EP080) QA01a,	QA02a	**30-Jun-2025**	**07-Jul-2025**	14-Jul-2025	✓	**07-Jul-2025**	14-Jul-2025	✓
Soil Glass Jar - Unpreserved (EP071) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
Soil Glass Jar - Unpreserved (EP080) QA03a,	QA04a	**02-Jul-2025**	**07-Jul-2025**	16-Jul-2025	✓	**07-Jul-2025**	16-Jul-2025	✓
Soil Glass Jar - Unpreserved (EP071) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	16-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
Soil Glass Jar - Unpreserved (EP080) QA01a,	QA02a	**30-Jun-2025**	**07-Jul-2025**	14-Jul-2025	✓	**07-Jul-2025**	14-Jul-2025	✓
Soil Glass Jar - Unpreserved (EP071) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	14-Jul-2025	✓	**08-Jul-2025**	17-Aug-2025	✓
EP080: BTEXN								
Soil Glass Jar - Unpreserved (EP080) QA03a,	QA04a	**02-Jul-2025**	**07-Jul-2025**	16-Jul-2025	✓	**07-Jul-2025**	16-Jul-2025	✓
Soil Glass Jar - Unpreserved (EP080) QA01a,	QA02a	**30-Jun-2025**	**07-Jul-2025**	14-Jul-2025	✓	**07-Jul-2025**	14-Jul-2025	✓
EP231A: Perfluoroalkyl Sulfonic Acids								
HDPE Soil Jar (EP231X) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	29-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
HDPE Soil Jar (EP231X) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	27-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids								
HDPE Soil Jar (EP231X) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	29-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
HDPE Soil Jar (EP231X) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	27-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
EP231C: Perfluoroalkyl Sulfonamides								
HDPE Soil Jar (EP231X) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	29-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
HDPE Soil Jar (EP231X) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	27-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE Soil Jar (EP231X) QA03a,	QA04a	**02-Jul-2025**	**08-Jul-2025**	29-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
HDPE Soil Jar (EP231X) QA01a,	QA02a	**30-Jun-2025**	**08-Jul-2025**	27-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) QA03a, QA04a	**02-Jul-2025**	**08-Jul-2025**	29-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓
HDPE Soil Jar (EP231X) QA01a, QA02a	**30-Jun-2025**	**08-Jul-2025**	27-Dec-2025	✓	**09-Jul-2025**	17-Aug-2025	✓

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)							
Moisture Content	EA055	3	20	**15.00**	**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	1	4	**25.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	4	**25.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	4	**25.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	6	**16.67**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	2	14	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	4	**25.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	6	**16.67**	**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)							
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	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	6	**16.67**	**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)							
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	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	6	**16.67**	**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 Spikes (MS)							
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	4	**25.00**	**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) - Continued							
Pesticides by GCMS	EP068	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	1	**100.00**	**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 (SnCl2) (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 SnCl2 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)
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).
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).
Semivolatile Organic Compounds	EP075	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).
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*
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.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2520523**

Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Contact	: Customer Services ES
Address	: LEVEL 2 6-8 REGENT STREET WOLLONGONG 2500	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: steven.drysdale@smec.com	E-mail	: ALSEnviro.Sydney@ALSGlobal.com
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: 30013573 Lord Howe Island Environmental Services - WMF - BATCH 1	Page	: 1 of 2
Order number	: ----	Quote number	: EP2023SMEAUS0001 (EN/111)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Lord Howe Island		
Sampler	: JORDAN PETRACCARO		

Dates

Date Samples Received	: 07-Jul-2025 14:15	Issue Date	: 07-Jul-2025
Client Requested Due Date	: 09-Jul-2025	Scheduled Reporting Date	: **09-Jul-2025**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Intact.
No. of coolers/boxes	: 1	Temperature	: 10.8, 9.0, 9.5°C - Ice Bricks present
Receipt Detail	:	No. of samples received / analysed	: 4 / 4

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 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.**
- **Volatile organic compound analysis may be compromised as sample container for #4 contained headspace. Please contact ALS for further information.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- 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.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)	SOIL - S-19 TRH/BTEXN/PAH/Phl/OC/OP/PCB/8 metals	SOIL - S-23 minus BTEXN SVOC/VOC minus BTEXN
ES2520523-001	30-Jun-2025 00:00	QA01a	✓	✓	✓	✓
ES2520523-002	30-Jun-2025 00:00	QA02a	✓	✓	✓	
ES2520523-003	02-Jul-2025 00:00	QA03a	✓	✓	✓	
ES2520523-004	02-Jul-2025 00:00	QA04a	✓	✓	✓	

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS INVOICES		
- A4 - AU Tax Invoice (INV)	Email	accounts.payable@smec.com
ESDAT REPORTS		
- EDI Format - ESDAT (ESDAT)	Email	smec@esdat.com.au
JORDAN PETRACCARO		
- *AU Certificate of Analysis - NATA (COA)	Email	jordan.petraccaro@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jordan.petraccaro@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jordan.petraccaro@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jordan.petraccaro@smec.com
- Chain of Custody (CoC) (COC)	Email	jordan.petraccaro@smec.com
- EDI Format - ENMRG (ENMRG)	Email	jordan.petraccaro@smec.com
- EDI Format - ESDAT (ESDAT)	Email	jordan.petraccaro@smec.com
STEVEN DRYSDALE		
- *AU Certificate of Analysis - NATA (COA)	Email	steven.drysdale@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	steven.drysdale@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	steven.drysdale@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	steven.drysdale@smec.com
- A4 - AU Tax Invoice (INV)	Email	steven.drysdale@smec.com
- Chain of Custody (CoC) (COC)	Email	steven.drysdale@smec.com
- EDI Format - ENMRG (ENMRG)	Email	steven.drysdale@smec.com
- EDI Format - ESDAT (ESDAT)	Email	steven.drysdale@smec.com

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY: DT				
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME: 7/7/25 1415				

SPECIAL LABORATORY INSTRUCTIONS:
NOTE: Retained acidity MUST also be reported irrespective of pHkcl.
Samples were frozen at the lab on the same day of sampling.
Please report ANCbt (%CaCO3) to two decimal places and a-ANCbt (mol H+/t) rounded to the nearest whole number
Please ensure all samples are analysed within respective holding times.

Environmental Division Sydney
Work Order Reference
ES2520523



Telephone : +61-2-8784 8555

SAMPLE DETAILS						ANALYSIS REQUIRED									
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold		
	BH10_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X	X							
	BH10_0.2	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3			X		X					
	BH10_0.4	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X								
	BH10_0.7	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X		x				
	BH10_1.5	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4				X						
	BH10_2.0	30/06/2025	Soil	1x ASS Bag	1				X						
	BH10_2.5	30/06/2025	Soil	1x ASS Bag	1				X						
	BH10_3.0	30/06/2025	Soil	1x ASS Bag	1				X						
	BH10_4.0	30/06/2025	Soil	1x ASS Bag	1				X						
	BH10_5.0	30/06/2025	Soil	1x ASS Bag	1				X						

4/7/25 Blake Goett 7:00pm -0.1

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	`0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:	7/7/25 14:15			

SPECIAL LABORATORY INSTRUCTIONS:
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Please ensure all samples are analysed within respective holding times.

SAMPLE DETAILS						ANALYSIS REQUIRED										
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold				Comment
	BH10_0.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH09_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X				X							
	BH09_0.5	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X											
	BH09_1.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH09_2.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH09_3.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x				
	BH08_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4			X		X							
	BH08_0.4	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH08_0.9	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X										
	BH08_2.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH07_0.1	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH07_0.5	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X								
	BH07_1.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X								
	BH07_2.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4				X								
	BH07_3.0	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1 x ASS Bag	4	X			X								
	BH07_4.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH07_5.0	30/06/2025	Soil	1x ASS Bag	1				X								
	BH06_0.1	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH06_0.5	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	`0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
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DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:	DT			
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:	7/7/25 14:15			

SPECIAL LABORATORY INSTRUCTIONS:
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Please ensure all samples are analysed within respective holding times.

SAMPLE DETAILS						ANALYSIS REQUIRED										
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold			Comment
	BH06_1.0	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x			
	BH06_2.0	1/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x			
	BH05_0.3	1/07/2025	Soil	1x Glass, 1x PFAS	2	X	X									
	BH05_1.3	1/07/2025	Soil	1x Glass, 1x PFAS	2								x			
	BH05_2.5	1/07/2025	Soil	1x Glass, 1x PFAS	2								x			
	BH05_5.0	1/07/2025	Soil	1x Glass, 1x PFAS	2								x			
	BH11_0.2	1/07/2025	Soil	1x Glass, 1x PFAS	2	X										
	BH11_1.2	1/07/2025	Soil	1x Glass, 1x PFAS	2								x			
	BH04_0.2	1/07/2025	Soil	1x Glass, 1x PFAS	2	X										
	BH04_1.2	1/07/2025	Soil	1x Glass, 1x PFAS	2	X										
	BH04_2.5	1/07/2025	Soil	1x Glass, 1x PFAS	2								x			
	BH04_4.5	1/07/2025	Soil	1x Glass, 1x PFAS	2								x			
	BH02_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X					X					
	BH02_0.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x ASS bag	3	X			X							
	BH02_1.2	2/07/2025	Soil	1x Glass, 1x PFAS, 1x ASS bag	3				X							
	BH02_2.2	2/07/2025	Soil	1x Glass, 1x PFAS, 1x ASS bag	3				X							
	BH02_3.0	2/07/2025	Soil	1x ASS Bag	1				X							
	BH02_4.0	2/07/2025	Soil	1x ASS Bag	1				X							
	BH02_5.2	2/07/2025	Soil	1x ASS Bag	1				X							

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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

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CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	'0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:	7/7/25 1415			

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	BH03_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH03_0.5	2/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	BH03_1.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH03_2.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH01_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH01_0.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH01_1.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X										
	BH01_2.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X										
	BH01_2.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3								x				
	BH01_3.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X	X										
	BH01_4.0	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag	3	X											
	BH12_0.1	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X	X	X		X							
	BH12_0.5	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Asbestos Bag, 1x Plastic	4	X		X		X							
	BH12_1.0	2/07/2025	Soil	1x Glass, 1x PFAS	2	X											
	BH12_2.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	BH12_4.0	2/07/2025	Soil	1x Glass, 1x PFAS	2								x				
	QA01	30/06/2025	Soil	1x Glass, 1x PFAS	2	X	X										
1	QA01a	30/06/2025	Soil	1x Glass, 1x PFAS	2	Forward to ALS											
	QA02	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	X											

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7/7/25 7:00am

smec
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CHAIN OF CUSTODY FORM

SMEC Office: MMJ Building, Level 2, 6-8 Regent Street, Wollongong, NSW, 2520, Australia

PROJECT NAME:	Lord Howe Island Environmental Services - WMF - BATCH 1			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	2 day TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	`0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	30/06/2025 - 3/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	4/07/2025	DATE/TIME:	4/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:	DS			
EMAIL INVOICE TO (default to PM/TL):	teven.Drysdale@smec.com; accounts.payable@smec.co	DATE/TIME:	7/7/25 14:15			

SPECIAL LABORATORY INSTRUCTIONS:
NOTE: Retained acidity MUST also be reported irrespective of pHkcl.
Samples were frozen at the lab on the same day of sampling.
Please report ANCbt (%CaCO3) to two decimal places and a-ANCbt (mol H+/t) rounded to the nearest whole number
Please ensure all samples are analysed within respective holding times.

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Suite B7A + B15 + PFAS Full suite 30 compounds	SVV	B19E	pH field screen	E. Coli and Thermotolerant Coliforms	R21 - NEPM HIL Screen	B1: TRH, BTEXN	Hold				Comment
2	QA02a	30/06/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	Forward to ALS											
	QA03	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	X											
3	QA03a	2/07/2025	Soil	1x Glass, 1x PFAS, 1x Plastic	3	Forward to ALS											
	QA04	2/07/2025	Soil	1x Glass, 1x PFAS	2	X											
4	QA04a	2/07/2025	Soil	1x Glass, 1x PFAS	2	Forward to ALS											
	Trip Spike01	2/07/2025	Soil	1x vial	1												
	Trip Blank01	2/07/2025	Soil	1x vial	1							X					
	Trip Spike02	2/07/2025	Soil	1x vial	1												
	Trip Blank02	2/07/2025	Soil	1x vial	1							X					
				TOTAL	198	37	12	11	20	11	2	2	14	0	0	0	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

-0.1

4/7/25 7:00pm Blackwe Gull

CERTIFICATE OF ANALYSIS

Work Order	: **ES2521567**	Page	: 1 of 33
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Contact	: Customer Services ES
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: 30013573 Lord Howe Island Environmental Services WMF GW, SW, SED - ALS	Date Samples Received	: 15-Jul-2025 15:30
Order number	: 30013573	Date Analysis Commenced	: 16-Jul-2025
C-O-C number	: ----	Issue Date	: 22-Jul-2025 15:25
Sampler	: JORDAN PETRACCARO		
Site	: Lord Howe Island		
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 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*
Alex Rossi	Organic Chemist	Sydney Inorganics, Smithfield, NSW
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Sanjeshni Jyoti	Senior Chemist Volatiles	Sydney Organics, Smithfield, NSW

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.
- EP075: 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.
- 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-dichlorothene, trans-1,2-dichlorothene, 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.
- EG020: LORs have been raised for some samples due to matrix interference (High sample salinity)
- EP080/EP074: Surrogate recovery bias low due to sample matrix interferences, confirmed by re-analysis.
- EP075: Where reported, 'Sum of PAH' is the sum of the USEPA 16 priority PAHs
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) 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.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		**26.5**	----	----	----	----
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		<5	----	----	----	----
Cadmium	7440-43-9	1	mg/kg		<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg		**6**	----	----	----	----
Copper	7440-50-8	5	mg/kg		<5	----	----	----	----
Lead	7439-92-1	5	mg/kg		<5	----	----	----	----
Nickel	7440-02-0	2	mg/kg		**2**	----	----	----	----
Zinc	7440-66-6	5	mg/kg		<5	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		<0.1	----	----	----	----
EK055: Ammonia as N									
Ammonia as N	7664-41-7	20	mg/kg		<20	----	----	----	----
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N (Sol.)	14797-65-0	0.1	mg/kg		<0.1	----	----	----	----
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N (Sol.)	14797-55-8	0.1	mg/kg		**0.5**	----	----	----	----
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N (Sol.)	----	0.1	mg/kg		**0.5**	----	----	----	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	20	mg/kg		**160**	----	----	----	----
EK062: Total Nitrogen as N (TKN + NOx)									
^ Total Nitrogen as N	----	20	mg/kg		**160**	----	----	----	----
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	2	mg/kg		**544**	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		<0.1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)									

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	----	----	----	----
beta-BHC	319-85-7	0.05	mg/kg		<0.05	----	----	----	----
gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg		<0.05	----	----	----	----
delta-BHC	319-86-8	0.05	mg/kg		<0.05	----	----	----	----
Heptachlor	76-44-8	0.05	mg/kg		<0.05	----	----	----	----
Aldrin	309-00-2	0.05	mg/kg		<0.05	----	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg		<0.05	----	----	----	----
^ **Total Chlordane (sum)**	----	0.05	mg/kg		<0.05	----	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg		<0.05	----	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg		<0.05	----	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg		<0.05	----	----	----	----
Dieldrin	60-57-1	0.05	mg/kg		<0.05	----	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg		<0.05	----	----	----	----
Endrin	72-20-8	0.05	mg/kg		<0.05	----	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg		<0.05	----	----	----	----
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg		<0.05	----	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg		<0.05	----	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg		<0.05	----	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg		<0.05	----	----	----	----
4.4`-DDT	50-29-3	0.2	mg/kg		<0.2	----	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg		<0.05	----	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg		<0.2	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg		<0.05	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg		<0.05	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)									

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	SEDQA01a	----	----	----	----
			Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2521567-002	--------	--------	--------	--------
				Result	----	----	----	----
EP068B: Organophosphorus Pesticides (OP) - Continued								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	----	----	----
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	----	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons								
Styrene	100-42-5	0.5	mg/kg	<0.5	----	----	----	----
Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	----	----	----	----
n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	----	----	----	----
1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	----	----	----	----
sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	----	----	----	----
1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	----	----	----	----
tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	SEDQA01a	----	----	----	----
			Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2521567-002	--------	--------	--------	--------
				Result	----	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons - Continued								
p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	----	----	----	----
n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	----	----	----	----
EP074B: Oxygenated Compounds								
Vinyl Acetate	108-05-4	5	mg/kg	<5	----	----	----	----
2-Butanone (MEK)	78-93-3	5	mg/kg	<5	----	----	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	----	----	----	----
2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	----	----	----	----
EP074C: Sulfonated Compounds								
Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	----	----	----	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	----	----	----	----
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	----	----	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	----	----	----	----
Chloromethane	74-87-3	5	mg/kg	<5	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg	<5	----	----	----	----
Bromomethane	74-83-9	5	mg/kg	<5	----	----	----	----
Chloroethane	75-00-3	5	mg/kg	<5	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	<5	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg	<0.5	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP074E: Halogenated Aliphatic Compounds - Continued									
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg		<0.5	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg		<0.5	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg		<0.5	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg		<0.5	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg		<0.5	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg		<0.5	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg		<0.5	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg		<0.5	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg		<0.5	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg		<0.5	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg		<0.5	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg		<0.5	----	----	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg		<0.5	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg		<0.5	----	----	----	----
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	0.5	mg/kg		<0.5	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg		<0.5	----	----	----	----
2-Chlorotoluene	95-49-8	0.5	mg/kg		<0.5	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg		<0.5	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg		<0.5	----	----	----	----
EP074G: Trihalomethanes									
Chloroform	67-66-3	0.5	mg/kg		<0.5	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg		<0.5	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg		<0.5	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	SEDQA01a	----	----	----	----
			Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2521567-002	--------	--------	--------	--------
				Result	----	----	----	----
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	----	----	----	----
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	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	----	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	----	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg		<0.5	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		<0.5	----	----	----	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	mg/kg		<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg		<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg		**0.6**	----	----	----	----
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg		**1.2**	----	----	----	----
EP075A: 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	0.5	mg/kg		<0.5	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg		<0.5	----	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg		<0.5	----	----	----	----
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	1	mg/kg		<1	----	----	----	----
EP075B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg		<0.5	----	----	----	----
2-Methylnaphthalene	91-57-6	0.5	mg/kg		<0.5	----	----	----	----
2-Chloronaphthalene	91-58-7	0.5	mg/kg		<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg		<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg		<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg		<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	SEDQA01a	----	----	----	----
			Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2521567-002	--------	--------	--------	--------
				Result	----	----	----	----
EP075B: Polynuclear Aromatic Hydrocarbons - Continued								
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	----	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	----	----
N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	----	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	----	----	----	----
7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	----	----
3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	----	----	----
^ **Sum of PAHs**	----	0.5	mg/kg	<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg	<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg	**0.6**	----	----	----	----
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg	**1.2**	----	----	----	----
EP075C: Phthalate Esters								
Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	----	----	----	----
Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	----	----	----	----
Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	----	----	----	----
Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	----	----	----	----
bis(2-ethylhexyl) phthalate	117-81-7	5.0	mg/kg	<5.0	----	----	----	----
Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	----	----	----	----
EP075D: Nitrosamines								
N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP075D: Nitrosamines - Continued									
N-Nitrosodiethylamine	55-18-5	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosopyrrolidine	930-55-2	1.0	mg/kg		<1.0	----	----	----	----
N-Nitrosomorpholine	59-89-2	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosopiperidine	100-75-4	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosodibutylamine	924-16-3	0.5	mg/kg		<0.5	----	----	----	----
N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	1.0	mg/kg		<1.0	----	----	----	----
Methapyrilene	91-80-5	0.5	mg/kg		<0.5	----	----	----	----
EP075E: Nitroaromatics and Ketones									
2-Picoline	109-06-8	0.5	mg/kg		<0.5	----	----	----	----
Acetophenone	98-86-2	0.5	mg/kg		<0.5	----	----	----	----
Nitrobenzene	98-95-3	0.5	mg/kg		<0.5	----	----	----	----
Isophorone	78-59-1	0.5	mg/kg		<0.5	----	----	----	----
2.6-Dinitrotoluene	606-20-2	1.0	mg/kg		<1.0	----	----	----	----
2.4-Dinitrotoluene	121-14-2	1.0	mg/kg		<1.0	----	----	----	----
1-Naphthylamine	134-32-7	0.5	mg/kg		<0.5	----	----	----	----
4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg		<0.5	----	----	----	----
5-Nitro-o-toluidine	99-55-8	0.5	mg/kg		<0.5	----	----	----	----
Azobenzene	103-33-3	1	mg/kg		<1	----	----	----	----
1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg		<0.5	----	----	----	----
Phenacetin	62-44-2	0.5	mg/kg		<0.5	----	----	----	----
4-Aminobiphenyl	92-67-1	0.5	mg/kg		<0.5	----	----	----	----
Pentachloronitrobenzene	82-68-8	0.5	mg/kg		<0.5	----	----	----	----
Pronamide	23950-58-5	0.5	mg/kg		<0.5	----	----	----	----
Dimethylaminoazobenzene	60-11-7	0.5	mg/kg		<0.5	----	----	----	----
Chlorobenzilate	510-15-6	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP075F: Haloethers									
Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg		<0.5	----	----	----	----
Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg		<0.5	----	----	----	----
4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg		<0.5	----	----	----	----
4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg		<0.5	----	----	----	----
EP075G: Chlorinated Hydrocarbons									
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg		<0.5	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg		<0.5	----	----	----	----
Hexachloroethane	67-72-1	0.5	mg/kg		<0.5	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg		<0.5	----	----	----	----
Hexachloropropylene	1888-71-7	0.5	mg/kg		<0.5	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg		<0.5	----	----	----	----
Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg		<2.5	----	----	----	----
Pentachlorobenzene	608-93-5	0.5	mg/kg		<0.5	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	1.0	mg/kg		<1.0	----	----	----	----
EP075H: Anilines and Benzidines									
Aniline	62-53-3	0.5	mg/kg		<0.5	----	----	----	----
4-Chloroaniline	106-47-8	0.5	mg/kg		<0.5	----	----	----	----
2-Nitroaniline	88-74-4	1.0	mg/kg		<1.0	----	----	----	----
3-Nitroaniline	99-09-2	1.0	mg/kg		<1.0	----	----	----	----
Dibenzofuran	132-64-9	0.5	mg/kg		<0.5	----	----	----	----
4-Nitroaniline	100-01-6	0.5	mg/kg		<0.5	----	----	----	----
Carbazole	86-74-8	0.5	mg/kg		<0.5	----	----	----	----
3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg		<0.5	----	----	----	----
EP075I: Organochlorine Pesticides									
alpha-BHC	319-84-6	0.5	mg/kg		<0.5	----	----	----	----
beta-BHC	319-85-7	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP075I: Organochlorine Pesticides - Continued									
gamma-BHC - (Lindane)	58-89-9	0.5	mg/kg		<0.5	----	----	----	----
delta-BHC	319-86-8	0.5	mg/kg		<0.5	----	----	----	----
Heptachlor	76-44-8	0.5	mg/kg		<0.5	----	----	----	----
Aldrin	309-00-2	0.5	mg/kg		<0.5	----	----	----	----
Heptachlor epoxide	1024-57-3	0.5	mg/kg		<0.5	----	----	----	----
alpha-Endosulfan	959-98-8	0.5	mg/kg		<0.5	----	----	----	----
4.4`-DDE	72-55-9	0.5	mg/kg		<0.5	----	----	----	----
Dieldrin	60-57-1	0.5	mg/kg		<0.5	----	----	----	----
Endrin	72-20-8	0.5	mg/kg		<0.5	----	----	----	----
beta-Endosulfan	33213-65-9	0.5	mg/kg		<0.5	----	----	----	----
4.4`-DDD	72-54-8	0.5	mg/kg		<0.5	----	----	----	----
Endosulfan sulfate	1031-07-8	0.5	mg/kg		<0.5	----	----	----	----
4.4`-DDT	50-29-3	1.0	mg/kg		<1.0	----	----	----	----
EP075J: Organophosphorus Pesticides									
Dichlorvos	62-73-7	0.5	mg/kg		<0.5	----	----	----	----
Dimethoate	60-51-5	0.5	mg/kg		<0.5	----	----	----	----
Diazinon	333-41-5	0.5	mg/kg		<0.5	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg		<0.5	----	----	----	----
Malathion	121-75-5	0.5	mg/kg		<0.5	----	----	----	----
Fenthion	55-38-9	0.5	mg/kg		<0.5	----	----	----	----
Chlorpyrifos	2921-88-2	0.5	mg/kg		<0.5	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.5	mg/kg		<0.5	----	----	----	----
Chlorfenvinphos	470-90-6	0.5	mg/kg		<0.5	----	----	----	----
Prothiofos	34643-46-4	0.5	mg/kg		<0.5	----	----	----	----
Ethion	563-12-2	0.5	mg/kg		<0.5	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons - Continued									
C10 - C14 Fraction	----	50	mg/kg		<50	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg		<100	----	----	----	----
C29 - C36 Fraction	----	100	mg/kg		<100	----	----	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg		<50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	----	----	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	----	----	----	----
>C10 - C16 Fraction	----	50	mg/kg		<50	----	----	----	----
>C16 - C34 Fraction	----	100	mg/kg		<100	----	----	----	----
>C34 - C40 Fraction	----	100	mg/kg		<100	----	----	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	----	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	----	----	----	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	----	----	----	----
Toluene	108-88-3	0.5	mg/kg		<0.5	----	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	----	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	----	----	----	----
^ Sum of BTEX	----	0.2	mg/kg		<0.2	----	----	----	----
^ Total Xylenes	----	0.5	mg/kg		<0.5	----	----	----	----
Naphthalene	91-20-3	1	mg/kg		<1	----	----	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		112	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		103	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate									

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate - Continued									
DEF	78-48-8	0.05	%		**98.5**	----	----	----	----
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.5	%		**45.6**	----	----	----	----
Toluene-D8	2037-26-5	0.5	%		**39.9**	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%		**50.7**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		**119**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		**116**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%		**106**	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		**126**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%		**117**	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		**116**	----	----	----	----
EP075S: Acid Extractable Surrogates									
2-Fluorophenol	367-12-4	0.5	%		**110**	----	----	----	----
Phenol-d6	13127-88-3	0.5	%		**104**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		**109**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%		**89.0**	----	----	----	----
EP075T: Base/Neutral Extractable Surrogates									
Nitrobenzene-D5	4165-60-0	0.5	%		**106**	----	----	----	----
1.2-Dichlorobenzene-D4	2199-69-1	0.5	%		**96.7**	----	----	----	----
2-Fluorobiphenyl	321-60-8	0.5	%		**100**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%		**105**	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		**108**	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		**53.4**	----	----	----	----
Toluene-D8	2037-26-5	0.2	%		**39.2**	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SEDQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-002	--------	--------	--------	--------
					Result	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	0.2	%		**51.0**	**----**	**----**	**----**	**----**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EG020F: Dissolved Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L		<0.010	----	----	----	----
Cadmium	7440-43-9	0.0001	mg/L		<0.0010	----	----	----	----
Chromium	7440-47-3	0.001	mg/L		<0.010	----	----	----	----
Copper	7440-50-8	0.001	mg/L		<0.010	----	----	----	----
Nickel	7440-02-0	0.001	mg/L		<0.010	----	----	----	----
Lead	7439-92-1	0.001	mg/L		<0.010	----	----	----	----
Zinc	7440-66-6	0.005	mg/L		<0.050	----	----	----	----
EG035F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	----	----	----	----
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L		**0.12**	----	----	----	----
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	----	----	----	----
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		**0.09**	----	----	----	----
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		**0.09**	----	----	----	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		**0.5**	----	----	----	----
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ **Total Nitrogen as N**	----	0.1	mg/L		**0.6**	----	----	----	----
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L		**0.07**	----	----	----	----
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L		**0.02**	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)									
^ **Total Polychlorinated biphenyls**	----	1	µg/L		<1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)									

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued									
alpha-BHC	319-84-6	0.5	µg/L		<0.5	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L		<0.5	----	----	----	----
beta-BHC	319-85-7	0.5	µg/L		<0.5	----	----	----	----
gamma-BHC - (Lindane)	58-89-9	0.5	µg/L		<0.5	----	----	----	----
delta-BHC	319-86-8	0.5	µg/L		<0.5	----	----	----	----
Heptachlor	76-44-8	0.5	µg/L		<0.5	----	----	----	----
Aldrin	309-00-2	0.5	µg/L		<0.5	----	----	----	----
Heptachlor epoxide	1024-57-3	0.5	µg/L		<0.5	----	----	----	----
trans-Chlordane	5103-74-2	0.5	µg/L		<0.5	----	----	----	----
alpha-Endosulfan	959-98-8	0.5	µg/L		<0.5	----	----	----	----
cis-Chlordane	5103-71-9	0.5	µg/L		<0.5	----	----	----	----
Dieldrin	60-57-1	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDE	72-55-9	0.5	µg/L		<0.5	----	----	----	----
Endrin	72-20-8	0.5	µg/L		<0.5	----	----	----	----
beta-Endosulfan	33213-65-9	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDD	72-54-8	0.5	µg/L		<0.5	----	----	----	----
Endrin aldehyde	7421-93-4	0.5	µg/L		<0.5	----	----	----	----
Endosulfan sulfate	1031-07-8	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDT	50-29-3	2.0	µg/L		<2.0	----	----	----	----
Endrin ketone	53494-70-5	0.5	µg/L		<0.5	----	----	----	----
Methoxychlor	72-43-5	2.0	µg/L		<2.0	----	----	----	----
^ **Total Chlordane (sum)**	----	0.5	µg/L		<0.5	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.5	µg/L		<0.5	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.5	µg/L		<0.5	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.5	µg/L		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP068B: Organophosphorus Pesticides (OP) - Continued									
Demeton-S-methyl	919-86-8	0.5	µg/L		<0.5	----	----	----	----
Monocrotophos	6923-22-4	2.0	µg/L		<2.0	----	----	----	----
Dimethoate	60-51-5	0.5	µg/L		<0.5	----	----	----	----
Diazinon	333-41-5	0.5	µg/L		<0.5	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	µg/L		<0.5	----	----	----	----
Parathion-methyl	298-00-0	2.0	µg/L		<2.0	----	----	----	----
Malathion	121-75-5	0.5	µg/L		<0.5	----	----	----	----
Fenthion	55-38-9	0.5	µg/L		<0.5	----	----	----	----
Chlorpyrifos	2921-88-2	0.5	µg/L		<0.5	----	----	----	----
Parathion	56-38-2	2.0	µg/L		<2.0	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.5	µg/L		<0.5	----	----	----	----
Chlorfenvinphos	470-90-6	0.5	µg/L		<0.5	----	----	----	----
Bromophos-ethyl	4824-78-6	0.5	µg/L		<0.5	----	----	----	----
Fenamiphos	22224-92-6	0.5	µg/L		<0.5	----	----	----	----
Prothiofos	34643-46-4	0.5	µg/L		<0.5	----	----	----	----
Ethion	563-12-2	0.5	µg/L		<0.5	----	----	----	----
Carbophenothion	786-19-6	0.5	µg/L		<0.5	----	----	----	----
Azinphos Methyl	86-50-0	0.5	µg/L		<0.5	----	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons									
Styrene	100-42-5	5	µg/L		<5	----	----	----	----
Isopropylbenzene	98-82-8	5	µg/L		<5	----	----	----	----
n-Propylbenzene	103-65-1	5	µg/L		<5	----	----	----	----
1.3.5-Trimethylbenzene	108-67-8	5	µg/L		<5	----	----	----	----
sec-Butylbenzene	135-98-8	5	µg/L		<5	----	----	----	----
1.2.4-Trimethylbenzene	95-63-6	5	µg/L		<5	----	----	----	----
tert-Butylbenzene	98-06-6	5	µg/L		<5	----	----	----	----
p-Isopropyltoluene	99-87-6	5	µg/L		<5	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons - Continued									
n-Butylbenzene	104-51-8	5	µg/L		<5	----	----	----	----
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	50	µg/L		<50	----	----	----	----
2-Butanone (MEK)	78-93-3	50	µg/L		<50	----	----	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L		<50	----	----	----	----
2-Hexanone (MBK)	591-78-6	50	µg/L		<50	----	----	----	----
EP074C: Sulfonated Compounds									
Carbon disulfide	75-15-0	5	µg/L		<5	----	----	----	----
EP074D: Fumigants									
2.2-Dichloropropane	594-20-7	5	µg/L		<5	----	----	----	----
1.2-Dichloropropane	78-87-5	5	µg/L		<5	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	5	µg/L		<5	----	----	----	----
trans-1.3-Dichloropropylene	10061-02-6	5	µg/L		<5	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	5	µg/L		<5	----	----	----	----
EP074E: Halogenated Aliphatic Compounds									
Dichlorodifluoromethane	75-71-8	50	µg/L		<50	----	----	----	----
Chloromethane	74-87-3	50	µg/L		<50	----	----	----	----
Vinyl chloride	75-01-4	50	µg/L		<50	----	----	----	----
Bromomethane	74-83-9	50	µg/L		<50	----	----	----	----
Chloroethane	75-00-3	50	µg/L		<50	----	----	----	----
Trichlorofluoromethane	75-69-4	50	µg/L		<50	----	----	----	----
1.1-Dichloroethene	75-35-4	5	µg/L		<5	----	----	----	----
Iodomethane	74-88-4	5	µg/L		<5	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	5	µg/L		<5	----	----	----	----
1.1-Dichloroethane	75-34-3	5	µg/L		<5	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	5	µg/L		<5	----	----	----	----
1.1.1-Trichloroethane	71-55-6	5	µg/L		<5	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP074E: Halogenated Aliphatic Compounds - Continued									
1.1-Dichloropropylene	563-58-6	5	µg/L		<5	----	----	----	----
Carbon Tetrachloride	56-23-5	5	µg/L		<5	----	----	----	----
1.2-Dichloroethane	107-06-2	5	µg/L		<5	----	----	----	----
Trichloroethene	79-01-6	5	µg/L		<5	----	----	----	----
Dibromomethane	74-95-3	5	µg/L		<5	----	----	----	----
1.1.2-Trichloroethane	79-00-5	5	µg/L		<5	----	----	----	----
1.3-Dichloropropane	142-28-9	5	µg/L		<5	----	----	----	----
Tetrachloroethene	127-18-4	5	µg/L		<5	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L		<5	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L		<5	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L		<5	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L		<5	----	----	----	----
1.2.3-Trichloropropane	96-18-4	5	µg/L		<5	----	----	----	----
Pentachloroethane	76-01-7	5	µg/L		<5	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L		<5	----	----	----	----
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	5	µg/L		<5	----	----	----	----
Bromobenzene	108-86-1	5	µg/L		<5	----	----	----	----
2-Chlorotoluene	95-49-8	5	µg/L		<5	----	----	----	----
4-Chlorotoluene	106-43-4	5	µg/L		<5	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	5	µg/L		<5	----	----	----	----
EP074G: Trihalomethanes									
Chloroform	67-66-3	5	µg/L		<5	----	----	----	----
Bromodichloromethane	75-27-4	5	µg/L		<5	----	----	----	----
Dibromochloromethane	124-48-1	5	µg/L		<5	----	----	----	----
Bromoform	75-25-2	5	µg/L		<5	----	----	----	----
EP075(SIM)A: Phenolic Compounds									

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP075(SIM)A: Phenolic Compounds - Continued									
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	----	----	----	----
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	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
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	----	----	----	----
EP075A: Phenolic Compounds									
Phenol	108-95-2	2	µg/L		<2	----	----	----	----
2-Chlorophenol	95-57-8	2	µg/L		<2	----	----	----	----
2-Methylphenol	95-48-7	2	µg/L		<2	----	----	----	----
3- & 4-Methylphenol	1319-77-3	4	µg/L		<4	----	----	----	----
2-Nitrophenol	88-75-5	2	µg/L		<2	----	----	----	----
2.4-Dimethylphenol	105-67-9	2	µg/L		<2	----	----	----	----
2.4-Dichlorophenol	120-83-2	2	µg/L		<2	----	----	----	----
2.6-Dichlorophenol	87-65-0	2	µg/L		<2	----	----	----	----
4-Chloro-3-methylphenol	59-50-7	2	µg/L		<2	----	----	----	----
2.4.6-Trichlorophenol	88-06-2	2	µg/L		<2	----	----	----	----
2.4.5-Trichlorophenol	95-95-4	2	µg/L		<2	----	----	----	----
Pentachlorophenol	87-86-5	4	µg/L		<4	----	----	----	----
EP075B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	2	µg/L		<2	----	----	----	----
2-Methylnaphthalene	91-57-6	2	µg/L		<2	----	----	----	----
2-Chloronaphthalene	91-58-7	2	µg/L		<2	----	----	----	----
Acenaphthylene	208-96-8	2	µg/L		<2	----	----	----	----
Acenaphthene	83-32-9	2	µg/L		<2	----	----	----	----
Fluorene	86-73-7	2	µg/L		<2	----	----	----	----
Phenanthrene	85-01-8	2	µg/L		<2	----	----	----	----
Anthracene	120-12-7	2	µg/L		<2	----	----	----	----
Fluoranthene	206-44-0	2	µg/L		<2	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP075B: Polynuclear Aromatic Hydrocarbons - Continued									
Pyrene	129-00-0	2	µg/L		<2	----	----	----	----
N-2-Fluorenyl Acetamide	53-96-3	2	µg/L		<2	----	----	----	----
Benz(a)anthracene	56-55-3	2	µg/L		<2	----	----	----	----
Chrysene	218-01-9	2	µg/L		<2	----	----	----	----
Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	4	µg/L		<4	----	----	----	----
7.12-Dimethylbenz(a)anthracene	57-97-6	2	µg/L		<2	----	----	----	----
Benzo(a)pyrene	50-32-8	2	µg/L		<2	----	----	----	----
3-Methylcholanthrene	56-49-5	2	µg/L		<2	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	2	µg/L		<2	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	2	µg/L		<2	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	2	µg/L		<2	----	----	----	----
^ **Sum of PAHs**	----	2	µg/L		<2	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	2	µg/L		<2	----	----	----	----
EP075C: Phthalate Esters									
Dimethyl phthalate	131-11-3	2	µg/L		<2	----	----	----	----
Diethyl phthalate	84-66-2	2	µg/L		<2	----	----	----	----
Di-n-butyl phthalate	84-74-2	2	µg/L		<2	----	----	----	----
Butyl benzyl phthalate	85-68-7	2	µg/L		<2	----	----	----	----
bis(2-ethylhexyl) phthalate	117-81-7	10	µg/L		<10	----	----	----	----
Di-n-octylphthalate	117-84-0	2	µg/L		<2	----	----	----	----
EP075D: Nitrosamines									
N-Nitrosomethylethylamine	10595-95-6	2	µg/L		<2	----	----	----	----
N-Nitrosodiethylamine	55-18-5	2	µg/L		<2	----	----	----	----
N-Nitrosopyrrolidine	930-55-2	4	µg/L		<4	----	----	----	----
N-Nitrosomorpholine	59-89-2	2	µg/L		<2	----	----	----	----
N-Nitrosodi-n-propylamine	621-64-7	2	µg/L		<2	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP075D: Nitrosamines - Continued									
N-Nitrosopiperidine	100-75-4	2	µg/L		<2	----	----	----	----
N-Nitrosodibutylamine	924-16-3	2	µg/L		<2	----	----	----	----
N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	4	µg/L		<4	----	----	----	----
Methapyrilene	91-80-5	2	µg/L		<2	----	----	----	----
EP075E: Nitroaromatics and Ketones									
2-Picoline	109-06-8	2	µg/L		<2	----	----	----	----
Acetophenone	98-86-2	2	µg/L		<2	----	----	----	----
Nitrobenzene	98-95-3	2	µg/L		<2	----	----	----	----
Isophorone	78-59-1	2	µg/L		<2	----	----	----	----
2.6-Dinitrotoluene	606-20-2	4	µg/L		<4	----	----	----	----
2.4-Dinitrotoluene	121-14-2	4	µg/L		<4	----	----	----	----
1-Naphthylamine	134-32-7	2	µg/L		<2	----	----	----	----
4-Nitroquinoline-N-oxide	56-57-5	2	µg/L		<2	----	----	----	----
5-Nitro-o-toluidine	99-55-8	2	µg/L		<2	----	----	----	----
Azobenzene	103-33-3	2	µg/L		<2	----	----	----	----
1.3.5-Trinitrobenzene	99-35-4	2	µg/L		<2	----	----	----	----
Phenacetin	62-44-2	2	µg/L		<2	----	----	----	----
4-Aminobiphenyl	92-67-1	2	µg/L		<2	----	----	----	----
Pentachloronitrobenzene	82-68-8	2	µg/L		<2	----	----	----	----
Pronamide	23950-58-5	2	µg/L		<2	----	----	----	----
Dimethylaminoazobenzene	60-11-7	2	µg/L		<2	----	----	----	----
Chlorobenzilate	510-15-6	2	µg/L		<2	----	----	----	----
EP075F: Haloethers									
Bis(2-chloroethyl) ether	111-44-4	2	µg/L		<2	----	----	----	----
Bis(2-chloroethoxy) methane	111-91-1	2	µg/L		<2	----	----	----	----
4-Chlorophenyl phenyl ether	7005-72-3	2	µg/L		<2	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)			Sample ID	SWQA01a	----	----	----	----
			Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2521567-001	--------	--------	--------	--------
				Result	----	----	----	----
EP075F: Haloethers - Continued								
4-Bromophenyl phenyl ether	101-55-3	2	µg/L	<2	----	----	----	----
EP075G: Chlorinated Hydrocarbons								
1.3-Dichlorobenzene	541-73-1	2	µg/L	<2	----	----	----	----
1.4-Dichlorobenzene	106-46-7	2	µg/L	<2	----	----	----	----
1.2-Dichlorobenzene	95-50-1	2	µg/L	<2	----	----	----	----
Hexachloroethane	67-72-1	2	µg/L	<2	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	2	µg/L	<2	----	----	----	----
Hexachloropropylene	1888-71-7	2	µg/L	<2	----	----	----	----
Hexachlorobutadiene	87-68-3	2	µg/L	<2	----	----	----	----
Hexachlorocyclopentadiene	77-47-4	10	µg/L	<10	----	----	----	----
Pentachlorobenzene	608-93-5	2	µg/L	<2	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	4	µg/L	<4	----	----	----	----
EP075H: Anilines and Benzidines								
Aniline	62-53-3	2	µg/L	<2	----	----	----	----
4-Chloroaniline	106-47-8	2	µg/L	<2	----	----	----	----
2-Nitroaniline	88-74-4	4	µg/L	<4	----	----	----	----
3-Nitroaniline	99-09-2	4	µg/L	<4	----	----	----	----
Dibenzofuran	132-64-9	2	µg/L	<2	----	----	----	----
4-Nitroaniline	100-01-6	2	µg/L	<2	----	----	----	----
Carbazole	86-74-8	2	µg/L	<2	----	----	----	----
3.3`-Dichlorobenzidine	91-94-1	2	µg/L	<2	----	----	----	----
EP075I: Organochlorine Pesticides								
alpha-BHC	319-84-6	2	µg/L	<2	----	----	----	----
beta-BHC	319-85-7	2	µg/L	<2	----	----	----	----
gamma-BHC - (Lindane)	58-89-9	2	µg/L	<2	----	----	----	----
delta-BHC	319-86-8	2	µg/L	<2	----	----	----	----
Heptachlor	76-44-8	2	µg/L	<2	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP075I: Organochlorine Pesticides - Continued									
Aldrin	309-00-2	2	µg/L		<2	----	----	----	----
Heptachlor epoxide	1024-57-3	2	µg/L		<2	----	----	----	----
alpha-Endosulfan	959-98-8	2	µg/L		<2	----	----	----	----
4.4`-DDE	72-55-9	2	µg/L		<2	----	----	----	----
Dieldrin	60-57-1	2	µg/L		<2	----	----	----	----
Endrin	72-20-8	2	µg/L		<2	----	----	----	----
beta-Endosulfan	33213-65-9	2	µg/L		<2	----	----	----	----
4.4`-DDD	72-54-8	2	µg/L		<2	----	----	----	----
Endosulfan sulfate	1031-07-8	2	µg/L		<2	----	----	----	----
4.4`-DDT	50-29-3	4	µg/L		<4	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	4	µg/L		<4	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	4	µg/L		<4	----	----	----	----
EP075J: Organophosphorus Pesticides									
Dichlorvos	62-73-7	2	µg/L		<2	----	----	----	----
Dimethoate	60-51-5	2	µg/L		<2	----	----	----	----
Diazinon	333-41-5	2	µg/L		<2	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	2	µg/L		<2	----	----	----	----
Malathion	121-75-5	2	µg/L		<2	----	----	----	----
Fenthion	55-38-9	2	µg/L		<2	----	----	----	----
Chlorpyrifos	2921-88-2	2	µg/L		<2	----	----	----	----
Pirimphos-ethyl	23505-41-1	2	µg/L		<2	----	----	----	----
Chlorfenvinphos	470-90-6	2	µg/L		<2	----	----	----	----
Prothiofos	34643-46-4	2	µg/L		<2	----	----	----	----
Ethion	563-12-2	2	µg/L		<2	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	20	µg/L		<20	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons - Continued									
C10 - C14 Fraction	----	50	µg/L		<50	----	----	----	----
C15 - C28 Fraction	----	100	µg/L		<100	----	----	----	----
C29 - C36 Fraction	----	50	µg/L		<50	----	----	----	----
^ C10 - C36 Fraction (sum)	----	50	µg/L		<50	----	----	----	----
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		<100	----	----	----	----
>C34 - C40 Fraction	----	100	µg/L		<100	----	----	----	----
^ >C10 - C40 Fraction (sum)	----	100	µg/L		<100	----	----	----	----
^ >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	----	----	----	----
^ Total Xylenes	----	2	µg/L		<2	----	----	----	----
^ Sum of BTEX	----	1	µg/L		<1	----	----	----	----
Naphthalene	91-20-3	5	µg/L		<5	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.002	µg/L		<0.002	----	----	----	----
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0005	µg/L		<0.0005	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0005	µg/L		<0.0005	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids - Continued									
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0005	µg/L		<0.0005	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0003	µg/L		<0.0003	----	----	----	----
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0005	µg/L		<0.0005	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.002	µg/L		<0.002	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0005	µg/L		<0.0005	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0005	µg/L		<0.0005	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0005	µg/L		<0.0005	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	µg/L		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0005	µg/L		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.001	µg/L		<0.001	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.001	µg/L		<0.001	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.001	µg/L		<0.001	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.001	µg/L		<0.001	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0005	µg/L		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0005	µg/L		<0.0005	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.001	µg/L		<0.001	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.001	µg/L		<0.001	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.001	µg/L		<0.001	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.001	µg/L		<0.001	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0003	µg/L		<0.0003	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0003	µg/L		<0.0003	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0003	µg/L		<0.0003	----	----	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	1	%		**77.9**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.5	%		**61.6**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.5	%		**62.9**	----	----	----	----
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	5	%		**100**	----	----	----	----
Toluene-D8	2037-26-5	5	%		**91.5**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	SWQA01a	----	----	----	----
				Sampling date / time	10-Jul-2025 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2521567-001	--------	--------	--------	--------
					Result	----	----	----	----
EP074S: VOC Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	5	%		96.7	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	1.0	%		21.0	----	----	----	----
2-Chlorophenol-D4	93951-73-6	1.0	%		37.7	----	----	----	----
2.4.6-Tribromophenol	118-79-6	1.0	%		33.6	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	1.0	%		48.9	----	----	----	----
Anthracene-d10	1719-06-8	1.0	%		57.8	----	----	----	----
4-Terphenyl-d14	1718-51-0	1.0	%		58.8	----	----	----	----
EP075S: Acid Extractable Surrogates									
2-Fluorophenol	367-12-4	2	%		18.0	----	----	----	----
Phenol-d6	13127-88-3	2	%		15.5	----	----	----	----
2-Chlorophenol-D4	93951-73-6	2	%		41.1	----	----	----	----
2.4.6-Tribromophenol	118-79-6	2	%		27.2	----	----	----	----
EP075T: Base/Neutral Extractable Surrogates									
Nitrobenzene-D5	4165-60-0	2	%		50.6	----	----	----	----
1.2-Dichlorobenzene-D4	2199-69-1	2	%		44.2	----	----	----	----
2-Fluorobiphenyl	321-60-8	2	%		46.5	----	----	----	----
Anthracene-d10	1719-06-8	2	%		64.7	----	----	----	----
4-Terphenyl-d14	1718-51-0	2	%		54.2	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	2	%		99.1	----	----	----	----
Toluene-D8	2037-26-5	2	%		87.5	----	----	----	----
4-Bromofluorobenzene	460-00-4	2	%		100	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0005	%		88.1	----	----	----	----
13C8-PFOA	----	0.0005	%		96.7	----	----	----	----

Surrogate Control Limits

Sub-Matrix: SEDIMENT		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	64	130
Toluene-D8	2037-26-5	66	136
4-Bromofluorobenzene	460-00-4	60	122
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP075S: Acid Extractable Surrogates			
2-Fluorophenol	367-12-4	29	149
Phenol-d6	13127-88-3	32	128
2-Chlorophenol-D4	93951-73-6	32	128
2.4.6-Tribromophenol	118-79-6	13	121
EP075T: Base/Neutral Extractable Surrogates			
Nitrobenzene-D5	4165-60-0	33	125
1.2-Dichlorobenzene-D4	2199-69-1	34	108
2-Fluorobiphenyl	321-60-8	35	121
Anthracene-d10	1719-06-8	35	123
4-Terphenyl-d14	1718-51-0	33	125
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	63	125
Toluene-D8	2037-26-5	67	124
4-Bromofluorobenzene	460-00-4	66	131

Sub-Matrix: SURFACE WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	45	134
EP068S: Organochlorine Pesticide Surrogate			

Sub-Matrix: SURFACE WATER		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP068S: Organochlorine Pesticide Surrogate - Continued			
Dibromo-DDE	21655-73-2	50	150
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	50	150
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	78	133
Toluene-D8	2037-26-5	79	129
4-Bromofluorobenzene	460-00-4	81	124
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	10	44
2-Chlorophenol-D4	93951-73-6	14	94
2.4.6-Tribromophenol	118-79-6	17	125
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	20	104
Anthracene-d10	1719-06-8	27	113
4-Terphenyl-d14	1718-51-0	32	112
EP075S: Acid Extractable Surrogates			
2-Fluorophenol	367-12-4	10	117
Phenol-d6	13127-88-3	10	69
2-Chlorophenol-D4	93951-73-6	21	130
2.4.6-Tribromophenol	118-79-6	10	151
EP075T: Base/Neutral Extractable Surrogates			
Nitrobenzene-D5	4165-60-0	29	142
1.2-Dichlorobenzene-D4	2199-69-1	24	121
2-Fluorobiphenyl	321-60-8	27	135
Anthracene-d10	1719-06-8	27	113
4-Terphenyl-d14	1718-51-0	21	123
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	72	143
Toluene-D8	2037-26-5	75	131
4-Bromofluorobenzene	460-00-4	73	137
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2521567**	Page	: 1 of 41
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Contact	: Customer Services ES
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: 30013573 Lord Howe Island Environmental Services WMF GW, SW, SED - ALS	Date Samples Received	: 15-Jul-2025
Order number	: 30013573	Date Analysis Commenced	: 16-Jul-2025
C-O-C number	: ----	Issue Date	: 22-Jul-2025
Sampler	: JORDAN PETRACCARO		
Site	: Lord Howe Island		
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*
Alex Rossi	Organic Chemist	Sydney Inorganics, Smithfield, NSW
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Sanjeshni Jyoti	Senior Chemist Volatiles	Sydney Organics, Smithfield, NSW

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: 6723421)									
ES2521546-004	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	12	17	37.2	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	22	30	31.5	0% - 50%
		EG005T: Arsenic	7440-38-2	5	mg/kg	6	6	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	33	36	10.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	15	16	9.2	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	113	118	4.0	0% - 20%
EW2503689-008	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	9	11	13.1	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	18	10	55.6	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	22	7	104	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	9	9	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	21	12	50.6	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6723425)									
ES2521546-004	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	9.5	13.9	37.0	0% - 50%
EW2503689-004	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	10.8	11.4	5.3	0% - 50%
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 6723420)									
ES2521546-002	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EW2503689-005	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	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 (%)*
EK055: Ammonia as N (QC Lot: 6732427)									
ES2521567-002	SEDQA01a	EK055: Ammonia as N	7664-41-7	20	mg/kg	<20	<20	0.0	No Limit
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 6723410)									
ES2521567-002	SEDQA01a	EK057G: Nitrite as N (Sol.)	14797-65-0	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 6723409)									
ES2521548-001	Anonymous	EK059G: Nitrite + Nitrate as N (Sol.)	----	0.1 (0.2)*	mg/kg	0.7	0.6	0.0	No Limit
ME2501015-008	Anonymous	EK059G: Nitrite + Nitrate as N (Sol.)	----	0.1	mg/kg	0.6	0.5	0.0	No Limit
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 6728196)									
ME2501015-005	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	20	mg/kg	180	180	0.0	No Limit
ES2521170-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	20	mg/kg	330	340	0.0	0% - 50%
EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 6728195)									
ES2521429-003	Anonymous	EK067G: Total Phosphorus as P	----	2	mg/kg	1610	1390	14.6	0% - 20%
ES2521170-001	Anonymous	EK067G: Total Phosphorus as P	----	2	mg/kg	139	145	4.5	0% - 20%
EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 6721495)									
ES2521567-002	SEDQA01a	EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 6721494)									
ES2521567-002	SEDQA01a	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
		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: 6721494)									

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 (%)*
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 6721494) - continued									
ES2521567-002	SEDQA01a	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
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 6722130)									
ES2521567-002	SEDQA01a	EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 6722130)									
ES2521567-002	SEDQA01a	EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	<5	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 6722130)									
ES2521567-002	SEDQA01a	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074D: Fumigants (QC Lot: 6722130)									

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 (%)*
EP074D: Fumigants (QC Lot: 6722130) - continued									
ES2521567-002	SEDQA01a	EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 6722130)									
ES2521567-002	SEDQA01a	EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloromethane	74-87-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Bromomethane	74-83-9	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloroethane	75-00-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	<5	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 6722130)									
ES2521567-002	SEDQA01a	EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	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 (%)*
EP074F: Halogenated Aromatic Compounds (QC Lot: 6722130) - continued									
ES2521567-002	SEDQA01a	EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 6722130)									
ES2521567-002	SEDQA01a	EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075(SIM)A: Phenolic Compounds (QC Lot: 6721493)									
ES2521567-002	SEDQA01a	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
		EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	<2	0.0	No Limit
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6721493)									
ES2521567-002	SEDQA01a	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	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		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): Dibenz(a.h)anthracene	53-70-3	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 (%)*
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6721493) - continued									
ES2521567-002	SEDQA01a	EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075A: Phenolic Compounds (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachlorophenol	87-86-5	1	mg/kg	<1	<1	0.0	No Limit
EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(g.h.i)perylene	191-24-2	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 (%)*
EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 6721496) - continued									
ES2521567-002	SEDQA01a	EP075: Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	<1	0.0	No Limit
EP075C: Phthalate Esters (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075D: Nitrosamines (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosopyrrolidine	930-55-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075E: Nitroaromatics and Ketones (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.6-Dinitrotoluene	606-20-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 2.4-Dinitrotoluene	121-14-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pronamide	23950-58-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Azobenzene	103-33-3	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 (%)*
EP075F: Haloethers (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075G: Chlorinated Hydrocarbons (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachlorobenzene (HCB)	118-74-1	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	<2.5	0.0	No Limit
EP075H: Anilines and Benzidines (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Nitroaniline	88-74-4	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 3-Nitroaniline	99-09-2	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075I: Organochlorine Pesticides (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: alpha-BHC	319-84-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: beta-BHC	319-85-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: gamma-BHC - (Lindane)	58-89-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: delta-BHC	319-86-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: beta-Endosulfan	33213-65-9	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 (%)
EP075I: Organochlorine Pesticides (QC Lot: 6721496) - continued									
ES2521567-002	SEDQA01a	EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDT	50-29-3	0.5 (1.0)*	mg/kg	<1.0	<1.0	0.0	No Limit
EP075J: Organophosphorus Pesticides (QC Lot: 6721496)									
ES2521567-002	SEDQA01a	EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6721492)									
ES2521567-002	SEDQA01a	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 Petroleum Hydrocarbons (QC Lot: 6722129)									
ES2521567-002	SEDQA01a	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6721492)									
ES2521567-002	SEDQA01a	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
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6722129)									
ES2521567-002	SEDQA01a	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080: BTEXN (QC Lot: 6722129)									
ES2521567-002	SEDQA01a	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	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		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

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 (%)

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: 6731662)									
ES2520151-004	Anonymous	EG020A-F: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
		EG020A-F: Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Nickel	7440-02-0	0.001	mg/L	0.002	0.001	0.0	No Limit
		EG020A-F: Zinc	7440-66-6	0.005	mg/L	0.014	0.014	0.0	No Limit
ES2520151-018	Anonymous	EG020A-F: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
		EG020A-F: Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	0.0	No Limit
EG035F: Dissolved Mercury by FIMS (QC Lot: 6731664)									
ES2520151-003	Anonymous	EG035F: Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
ES2520151-016	Anonymous	EG035F: Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
EK055G: Ammonia as N by Discrete Analyser (QC Lot: 6729565)									
ES2521479-001	Anonymous	EK055G: Ammonia as N	7664-41-7	0.01 (1.00)*	mg/L	468	482	2.8	0% - 20%
ED2501043-001	Anonymous	EK055G: Ammonia as N	7664-41-7	0.01 (1.00)*	mg/L	1160	1160	0.0	0% - 20%
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 6723354)									
ES2521475-002	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit
ES2521449-001	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 6729566)									
ES2521567-001	SWQA01a	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	0.09	0.10	0.0	0% - 50%
ED2501043-001	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01 (1.00)*	mg/L	<1.00	<1.00	0.0	No Limit
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 6729562)									
ED2501043-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1 (20.0)*	mg/L	1210	1140	6.3	0% - 20%
ES2521474-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	70.7	66.5	6.1	0% - 20%
EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 6729561)									
ED2501043-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01 (0.10)*	mg/L	11.2	11.6	3.7	0% - 20%
ES2521474-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01 (0.10)*	mg/L	16.9	16.3	3.4	0% - 20%
EK071G: Reactive Phosphorus as P by discrete analyser (QC Lot: 6723356)									
ES2521504-042	Anonymous	EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.05	0.05	0.0	No Limit
ES2521449-001	Anonymous	EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 6723622)									

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 (%)*
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 6723622) - continued									
ES2521555-002	Anonymous	EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
ES2521461-001	Anonymous	EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 6723622)									
ES2521555-002	Anonymous	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit
ES2521461-001	Anonymous	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 6723622)									
ES2521555-002	Anonymous	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
ES2521461-001	Anonymous	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
EP074D: Fumigants (QC Lot: 6723622)									
ES2521555-002	Anonymous	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
ES2521461-001	Anonymous	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	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 (%)*
EP074D: Fumigants (QC Lot: 6723622) - continued									
ES2521461-001	Anonymous	EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 6723622)									
ES2521555-002	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
ES2521461-001	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	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 (%)*
EP074E: Halogenated Aliphatic Compounds (QC Lot: 6723622) - continued									
ES2521461-001	Anonymous	EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 6723622)									
ES2521555-002	Anonymous	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
ES2521461-001	Anonymous	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 6723622)									
ES2521555-002	Anonymous	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	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 (%)*
EP074G: Trihalomethanes (QC Lot: 6723622) - continued									
ES2521461-001	Anonymous	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 6723623)									
ES2521555-002	Anonymous	EP080: C6 - C9 Fraction	----	20	µg/L	<20	<20	0.0	No Limit
ES2521461-001	Anonymous	EP080: C6 - C9 Fraction	----	20	µg/L	<20	<20	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 6723623)									
ES2521555-002	Anonymous	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	0.0	No Limit
ES2521461-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	0.0	No Limit
EP080: BTEXN (QC Lot: 6723623)									
ES2521555-002	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
		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
ES2521461-001	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	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit
		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
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6721781)									
ES2521567-001	SWQA01a	EP231X-ST: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0003	µg/L	<0.0003	<0.0003	0.0	No Limit
		EP231X-ST: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0005	µg/L	<0.0005	<0.0005	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 (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6721781) - continued									
ES2521567-001	SWQA01a	EP231X-ST: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.002	µg/L	<0.002	<0.002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6721781)									
ES2521567-001	SWQA01a	EP231X-ST: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorooctanoic acid (PFOA)	335-67-1	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorononanoic acid (PFNA)	375-95-1	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorodecanoic acid (PFDA)	335-76-2	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: Perfluorobutanoic acid (PFBA)	375-22-4	0.002	µg/L	<0.002	<0.002	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6721781)									
ES2521567-001	SWQA01a	EP231X-ST: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0005	µg/L	<0.0005	<0.0005	0.0	No Limit
		EP231X-ST: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.001	µg/L	<0.001	<0.001	0.0	No Limit
		EP231X-ST: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.001	µg/L	<0.001	<0.001	0.0	No Limit
		EP231X-ST: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.001	µg/L	<0.001	<0.001	0.0	No Limit
		EP231X-ST: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.001	µg/L	<0.001	<0.001	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6721781)									
ES2521567-001	SWQA01a	EP231X-ST: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.001	µg/L	<0.001	<0.001	0.0	No Limit
		EP231X-ST: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.001	µg/L	<0.001	<0.001	0.0	No Limit
		EP231X-ST: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.001	µg/L	<0.001	<0.001	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 (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6721781) - continued									
ES2521567-001	SWQA01a	EP231X-ST: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.001	µg/L	<0.001	<0.001	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6721781)									
ES2521567-001	SWQA01a	EP231X-ST: Sum of PFAS	----	0.0003	µg/L	<0.0003	<0.0003	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**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6723421)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	121.1 mg/kg	90.0	88.0	113
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	0.74 mg/kg	89.5	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	19.6 mg/kg	101	68.0	132
EG005T: Copper	7440-50-8	5	mg/kg	<5	52.9 mg/kg	93.0	89.0	111
EG005T: Lead	7439-92-1	5	mg/kg	<5	60.8 mg/kg	89.6	82.0	119
EG005T: Nickel	7440-02-0	2	mg/kg	<2	15.3 mg/kg	88.5	80.0	120
EG005T: Zinc	7440-66-6	5	mg/kg	<5	139.3 mg/kg	82.1	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 6723420)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	77.8	70.0	125
EK055: Ammonia as N (QCLot: 6732427)								
EK055: Ammonia as N	7664-41-7	20	mg/kg	<20	250 mg/kg	99.6	84.0	104
EK057G: Nitrite as N by Discrete Analyser (QCLot: 6723410)								
EK057G: Nitrite as N (Sol.)	14797-65-0	0.1	mg/kg	<0.1	2.5 mg/kg	105	85.0	111
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 6723409)								
EK059G: Nitrite + Nitrate as N (Sol.)	----	0.1	mg/kg	<0.1	2.5 mg/kg	104	88.0	118
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 6728196)								
EK061G: Total Kjeldahl Nitrogen as N	----	20	mg/kg	<20	500 mg/kg	97.4	72.0	116
				<20	250 mg/kg	96.6	70.0	122
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 6728195)								
EK067G: Total Phosphorus as P	----	2	mg/kg	<2	221 mg/kg	96.7	76.0	108
				<2	67 mg/kg	79.3	70.0	118
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6721495)								
EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	1 mg/kg	93.5	62.0	126
EP068A: Organochlorine Pesticides (OC) (QCLot: 6721494)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	96.6	69.0	113
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	96.9	65.0	117
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	93.3	67.0	119
EP068: gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	106	68.0	116
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	99.5	65.0	117
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	94.2	67.0	115

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP068A: Organochlorine Pesticides (OC) (QCLot: 6721494) - continued								
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	95.5	69.0	115
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	96.5	62.0	118
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	92.9	63.0	117
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	98.7	66.0	116
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	96.0	64.0	116
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	101	66.0	116
EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	96.3	67.0	115
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	97.3	67.0	123
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	105	69.0	115
EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	99.4	69.0	121
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	86.9	56.0	120
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	88.3	62.0	124
EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	86.9	66.0	120
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	88.2	64.0	122
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	74.4	54.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 6721494)								
EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	0.5 mg/kg	100	59.0	119
EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	81.2	62.0	128
EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	0.5 mg/kg	93.7	54.0	126
EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	0.5 mg/kg	89.9	67.0	119
EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	0.5 mg/kg	98.4	70.0	120
EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	0.5 mg/kg	94.6	72.0	120
EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	0.5 mg/kg	85.3	68.0	120
EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	0.5 mg/kg	92.8	68.0	122
EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	0.5 mg/kg	93.0	69.0	117
EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	0.5 mg/kg	96.9	76.0	118
EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	0.5 mg/kg	84.5	64.0	122
EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	0.5 mg/kg	93.4	70.0	116
EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	0.5 mg/kg	91.9	69.0	121
EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	0.5 mg/kg	90.4	66.0	118
EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	0.5 mg/kg	90.5	68.0	124
EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	0.5 mg/kg	107	62.0	112
EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	0.5 mg/kg	94.6	68.0	120
EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	0.5 mg/kg	82.5	65.0	127

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP068B: Organophosphorus Pesticides (OP) (QCLot: 6721494) - continued								
EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	0.5 mg/kg	66.2	41.0	123
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 6722130)								
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	90.8	67.0	113
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	91.8	65.0	117
EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	1 mg/kg	91.2	66.0	122
EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	1 mg/kg	91.0	68.0	118
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	91.9	69.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	92.1	69.0	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	91.2	69.0	115
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	91.8	66.0	118
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	92.2	59.0	125
EP074B: Oxygenated Compounds (QCLot: 6722130)								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	84.7	29.6	156
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	92.5	58.0	136
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	90.4	62.0	132
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	91.3	54.0	136
EP074C: Sulfonated Compounds (QCLot: 6722130)								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	87.6	54.0	126
EP074D: Fumigants (QCLot: 6722130)								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	93.6	60.0	126
EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	1 mg/kg	95.3	68.0	124
EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	1 mg/kg	93.1	51.0	119
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	91.8	52.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	94.7	63.0	115
EP074E: Halogenated Aliphatic Compounds (QCLot: 6722130)								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	97.2	30.0	148
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	94.9	41.0	141
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	92.8	43.0	147
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	91.9	47.0	141
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	92.4	49.0	143
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	90.9	49.0	135
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	90.3	54.0	126
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	87.3	43.0	129
EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	1 mg/kg	91.8	64.0	120

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 6722130) - continued								
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	92.4	67.0	125
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	93.4	69.0	121
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	91.9	65.0	117
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	90.6	65.0	123
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	90.5	59.0	125
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	94.2	65.0	125
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	92.5	70.0	118
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	94.4	68.0	118
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	93.3	64.0	126
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	95.4	68.0	122
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	95.4	67.0	143
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	94.5	62.0	122
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	92.4	54.0	128
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	89.8	55.0	129
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	91.9	65.0	121
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	94.5	61.0	125
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	91.2	19.8	134
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	97.9	53.0	129
EP074F: Halogenated Aromatic Compounds (QCLot: 6722130)								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	94.3	68.0	116
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	91.6	70.0	114
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	92.8	68.0	122
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	92.5	67.0	123
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	94.9	52.0	122
EP074G: Trihalomethanes (QCLot: 6722130)								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	94.9	66.0	124
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	94.4	61.0	121
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	94.5	63.0	121
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	93.9	60.0	126
EP075(SIM)A: Phenolic Compounds (QCLot: 6721493)								
EP075(SIM): Phenol	108-95-2	0.5	mg/kg	<0.5	6 mg/kg	89.1	71.0	125
EP075(SIM): 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	6 mg/kg	92.6	72.0	124
EP075(SIM): 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	6 mg/kg	91.5	71.0	123
EP075(SIM): 3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	12 mg/kg	90.4	67.0	127

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP075(SIM)A: Phenolic Compounds (QCLot: 6721493) - continued								
EP075(SIM): 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	6 mg/kg	86.6	54.0	114
EP075(SIM): 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	6 mg/kg	92.6	68.0	126
EP075(SIM): 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	6 mg/kg	92.6	66.0	120
EP075(SIM): 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	6 mg/kg	94.2	70.0	120
EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	6 mg/kg	88.4	70.0	116
EP075(SIM): 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	6 mg/kg	93.3	54.0	114
EP075(SIM): 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	6 mg/kg	93.8	60.0	114
EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	12 mg/kg	54.5	10.0	80.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6721493)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	6 mg/kg	92.3	77.0	125
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	6 mg/kg	103	72.0	124
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	6 mg/kg	90.8	73.0	127
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	6 mg/kg	97.8	72.0	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	6 mg/kg	96.7	75.0	127
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	6 mg/kg	94.9	77.0	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	6 mg/kg	103	73.0	127
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	6 mg/kg	102	74.0	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	6 mg/kg	97.9	69.0	123
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	6 mg/kg	96.6	75.0	127
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	6 mg/kg	98.9	68.0	116
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	6 mg/kg	99.2	74.0	126
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	6 mg/kg	95.8	70.0	126
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	6 mg/kg	94.4	61.0	121
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	6 mg/kg	88.7	62.0	118
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	6 mg/kg	92.6	63.0	121
EP075A: Phenolic Compounds (QCLot: 6721496)								
EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	1.5 mg/kg	86.6	64.0	114
EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	1.5 mg/kg	88.9	57.0	115
EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	1.5 mg/kg	96.7	55.0	117
EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<0.5	1.5 mg/kg	104	46.0	122
EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	58.3	47.0	117
EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	1.5 mg/kg	65.4	13.7	108
EP075: 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	1.5 mg/kg	56.6	47.0	105

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075A: Phenolic Compounds (QCLot: 6721496) - continued								
EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	1.5 mg/kg	81.4	48.0	110
EP075: 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	1.5 mg/kg	84.4	57.0	113
EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	1.5 mg/kg	96.9	49.0	109
EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	1.5 mg/kg	93.9	49.0	107
EP075: Pentachlorophenol	87-86-5	1	mg/kg	<1	3 mg/kg	20.0	12.0	76.0
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6721496)								
EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	1.5 mg/kg	68.7	62.0	118
EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	1.5 mg/kg	96.1	58.0	116
EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	1.5 mg/kg	98.4	54.0	112
EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	1.5 mg/kg	109	56.0	114
EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	1.5 mg/kg	73.5	62.0	112
EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	78.8	59.0	115
EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	1.5 mg/kg	78.4	63.0	113
EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	1.5 mg/kg	78.5	57.0	111
EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	1.5 mg/kg	84.7	58.0	114
EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	1.5 mg/kg	85.2	57.0	117
EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	1.5 mg/kg	75.8	58.0	114
EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	81.2	59.0	115
EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	1.5 mg/kg	85.9	61.0	117
EP075: Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	3 mg/kg	71.0	57.0	119
EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	1.5 mg/kg	76.6	48.1	106
EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	1.5 mg/kg	74.6	56.0	116
EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	1.5 mg/kg	68.0	50.0	116
EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	1.5 mg/kg	66.9	55.0	117
EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	1.5 mg/kg	66.8	53.0	119
EP075: Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	1.5 mg/kg	66.2	56.0	120
EP075C: Phthalate Esters (QCLot: 6721496)								
EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	1.5 mg/kg	118	60.0	118
EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	1.5 mg/kg	86.5	65.0	115
EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	1.5 mg/kg	83.9	65.0	121
EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	1.5 mg/kg	81.6	62.0	116
EP075: bis(2-ethylhexyl) phthalate	117-81-7	----	mg/kg	----	1.5 mg/kg	77.5	69.0	133
EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	1.5 mg/kg	69.6	62.0	124

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP075D: Nitrosamines (QCLot: 6721496)								
EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	1.5 mg/kg	77.4	39.4	124
EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	1.5 mg/kg	90.0	59.0	117
EP075: N-Nitrosopyrrolidine	930-55-2	0.5	mg/kg	<0.5	1.5 mg/kg	93.2	53.0	125
EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	1.5 mg/kg	94.2	65.0	121
EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	1.5 mg/kg	93.1	59.0	123
EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	1.5 mg/kg	81.5	57.0	115
EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	1.5 mg/kg	80.4	57.0	119
EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5	mg/kg	<0.6	3 mg/kg	80.0	42.0	112
EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	1.5 mg/kg	42.1	16.3	123
EP075E: Nitroaromatics and Ketones (QCLot: 6721496)								
EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	1.5 mg/kg	69.5	27.3	129
EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	1.5 mg/kg	88.3	60.0	116
EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	1.5 mg/kg	89.5	65.0	119
EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	1.5 mg/kg	86.8	62.0	116
EP075: 2.6-Dinitrotoluene	606-20-2	0.5	mg/kg	<0.5	1.5 mg/kg	109	58.0	118
EP075: 2.4-Dinitrotoluene	121-14-2	0.5	mg/kg	<0.5	1.5 mg/kg	77.6	59.0	115
EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	1.5 mg/kg	36.4	18.0	112
EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	1.5 mg/kg	49.1	10.0	87.0
EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	1.5 mg/kg	72.3	48.3	98.5
EP075: Azobenzene	103-33-3	1	mg/kg	<1	1.5 mg/kg	81.0	62.0	118
EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	1.5 mg/kg	57.9	36.0	114
EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	1.5 mg/kg	93.1	62.0	114
EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	1.5 mg/kg	63.9	36.1	102
EP075: Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	1.5 mg/kg	78.4	56.0	110
EP075: Pronamide	23950-58-5	0.5	mg/kg	<0.5	1.5 mg/kg	82.6	54.0	110
EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	1.5 mg/kg	79.0	48.0	108
EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	1.5 mg/kg	78.6	57.4	112
EP075F: Haloethers (QCLot: 6721496)								
EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	1.5 mg/kg	90.3	63.0	121
EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	1.5 mg/kg	60.1	59.0	115
EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	1.5 mg/kg	76.3	58.0	112
EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	77.1	58.0	110
EP075G: Chlorinated Hydrocarbons (QCLot: 6721496)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP075G: Chlorinated Hydrocarbons (QCLot: 6721496) - continued								
EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1.5 mg/kg	83.7	58.0	112
EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1.5 mg/kg	95.6	58.0	116
EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1.5 mg/kg	93.2	57.0	115
EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	1.5 mg/kg	78.1	54.0	116
EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1.5 mg/kg	64.2	62.9	108
EP075: Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	1.5 mg/kg	77.1	39.1	110
EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1.5 mg/kg	83.6	59.0	117
EP075: Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	1.5 mg/kg	25.2	24.3	108
EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	1.5 mg/kg	72.5	57.0	109
EP075: Hexachlorobenzene (HCB)	118-74-1	0.5	mg/kg	<0.5	1.5 mg/kg	75.4	59.0	111
EP075H: Anilines and Benzidines (QCLot: 6721496)								
EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	1.5 mg/kg	74.1	13.2	108
EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	1.5 mg/kg	45.6	20.5	99.0
EP075: 2-Nitroaniline	88-74-4	0.5	mg/kg	<0.5	1.5 mg/kg	101	52.0	112
EP075: 3-Nitroaniline	99-09-2	0.5	mg/kg	<0.5	1.5 mg/kg	65.8	31.5	93.7
EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	1.5 mg/kg	75.9	60.0	110
EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	1.5 mg/kg	71.1	42.0	112
EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	1.5 mg/kg	82.3	59.0	111
EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	1.5 mg/kg	75.6	23.1	113
EP075I: Organochlorine Pesticides (QCLot: 6721496)								
EP075: alpha-BHC	319-84-6	0.5	mg/kg	<0.5	1.5 mg/kg	81.0	63.0	113
EP075: beta-BHC	319-85-7	0.5	mg/kg	<0.5	1.5 mg/kg	83.9	57.0	113
EP075: gamma-BHC - (Lindane)	58-89-9	0.5	mg/kg	<0.5	1.5 mg/kg	87.3	61.0	117
EP075: delta-BHC	319-86-8	0.5	mg/kg	<0.5	1.5 mg/kg	81.5	64.0	118
EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	1.5 mg/kg	72.8	55.0	115
EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	1.5 mg/kg	80.7	61.0	115
EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	1.5 mg/kg	77.8	56.0	118
EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	1.5 mg/kg	82.6	65.0	125
EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	1.5 mg/kg	83.0	60.0	116
EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	1.5 mg/kg	84.0	64.0	118
EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	1.5 mg/kg	86.5	53.0	117
EP075: beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	1.5 mg/kg	83.7	65.0	115
EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	1.5 mg/kg	82.0	62.0	118
EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	1.5 mg/kg	97.2	63.0	129

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075I: Organochlorine Pesticides (QCLot: 6721496) - continued								
EP075: 4.4`-DDT	50-29-3	0.5	mg/kg	<0.5	1.5 mg/kg	78.4	46.0	122
EP075J: Organophosphorus Pesticides (QCLot: 6721496)								
EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	83.7	46.0	112
EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	1.5 mg/kg	96.2	63.0	119
EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	1.5 mg/kg	81.1	68.0	134
EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	1.5 mg/kg	78.2	60.0	130
EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	85.4	65.0	127
EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	1.5 mg/kg	78.2	60.0	116
EP075: Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	1.5 mg/kg	80.5	63.0	113
EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	1.5 mg/kg	78.9	65.0	115
EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	1.5 mg/kg	75.6	59.0	103
EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	1.5 mg/kg	85.1	59.0	119
EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	1.5 mg/kg	82.9	62.0	118
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6721492)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	300 mg/kg	91.8	75.0	129
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	450 mg/kg	89.4	77.0	131
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	300 mg/kg	90.1	71.0	129
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6722129)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	26 mg/kg	91.1	72.2	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6721492)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	375 mg/kg	92.5	77.0	125
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	525 mg/kg	88.6	74.0	138
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	225 mg/kg	88.4	63.0	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6722129)								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	31 mg/kg	97.5	72.4	133
EP080: BTEXN (QCLot: 6722129)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	82.4	76.0	124
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	88.1	78.5	121
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	86.6	77.4	121
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	87.0	78.2	121
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	88.7	81.3	121
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	86.4	78.8	122

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report Result	Spike Concentration	Laboratory Control Spike (LCS) Report Spike Recovery (%) LCS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EG020F: Dissolved Metals by ICP-MS (QCLot: 6731662)								
EG020A-F: Arsenic	7440-38-2	0.001	mg/L	<0.001	0.1 mg/L	93.1	85.0	114
EG020A-F: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	0.1 mg/L	91.8	84.0	110
EG020A-F: Chromium	7440-47-3	0.001	mg/L	<0.001	0.1 mg/L	93.8	85.0	111
EG020A-F: Copper	7440-50-8	0.001	mg/L	<0.001	0.1 mg/L	94.1	81.0	111
EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	0.1 mg/L	91.3	83.0	111
EG020A-F: Nickel	7440-02-0	0.001	mg/L	<0.001	0.1 mg/L	92.7	82.0	112
EG020A-F: Zinc	7440-66-6	0.005	mg/L	<0.005	0.1 mg/L	94.3	81.0	117
EG035F: Dissolved Mercury by FIMS (QCLot: 6731664)								
EG035F: Mercury	7439-97-6	0.0001	mg/L	<0.0001	0.01 mg/L	102	83.0	105
EK055G: Ammonia as N by Discrete Analyser (QCLot: 6729565)								
EK055G: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	107	90.0	114
EK057G: Nitrite as N by Discrete Analyser (QCLot: 6723354)								
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	101	82.0	114
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 6729566)								
EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.5 mg/L	93.0	91.0	113
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 6729562)								
EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	5 mg/L	87.9	69.0	123
				<0.1	2.5 mg/L	92.0	70.0	123
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 6729561)								
EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	2.21 mg/L	99.5	71.3	126
				<0.01	0.5 mg/L	107	71.3	126
EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 6723356)								
EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	105	85.0	117
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6721890)								
EP066: Total Polychlorinated biphenyls	----	1	µg/L	<1	10 µg/L	87.4	68.9	113
EP068A: Organochlorine Pesticides (OC) (QCLot: 6721888)								
EP068: alpha-BHC	319-84-6	0.5	µg/L	<0.5	5 µg/L	95.2	64.9	107
EP068: Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L	<0.5	5 µg/L	79.2	58.3	111
EP068: beta-BHC	319-85-7	0.5	µg/L	<0.5	5 µg/L	101	69.0	117
EP068: gamma-BHC - (Lindane)	58-89-9	0.5	µg/L	<0.5	5 µg/L	102	70.0	112
EP068: delta-BHC	319-86-8	0.5	µg/L	<0.5	5 µg/L	104	68.9	110
EP068: Heptachlor	76-44-8	0.5	µg/L	<0.5	5 µg/L	92.9	65.2	108
EP068: Aldrin	309-00-2	0.5	µg/L	<0.5	5 µg/L	91.2	65.8	109
EP068: Heptachlor epoxide	1024-57-3	0.5	µg/L	<0.5	5 µg/L	99.4	67.1	107
EP068: trans-Chlordane	5103-74-2	0.5	µg/L	<0.5	5 µg/L	96.6	64.1	110

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP068A: Organochlorine Pesticides (OC) (QCLot: 6721888) - continued								
EP068: alpha-Endosulfan	959-98-8	0.5	µg/L	<0.5	5 µg/L	102	66.7	112
EP068: cis-Chlordane	5103-71-9	0.5	µg/L	<0.5	5 µg/L	97.0	63.2	111
EP068: Dieldrin	60-57-1	0.5	µg/L	<0.5	5 µg/L	103	65.2	113
EP068: 4.4`-DDE	72-55-9	0.5	µg/L	<0.5	5 µg/L	99.9	66.0	112
EP068: Endrin	72-20-8	0.5	µg/L	<0.5	5 µg/L	101	65.2	113
EP068: beta-Endosulfan	33213-65-9	0.5	µg/L	<0.5	5 µg/L	96.6	67.3	114
EP068: 4.4`-DDD	72-54-8	0.5	µg/L	<0.5	5 µg/L	104	72.0	122
EP068: Endrin aldehyde	7421-93-4	0.5	µg/L	<0.5	5 µg/L	89.8	66.9	109
EP068: Endosulfan sulfate	1031-07-8	0.5	µg/L	<0.5	5 µg/L	86.8	65.2	112
EP068: 4.4`-DDT	50-29-3	2	µg/L	<2.0	5 µg/L	87.2	65.2	112
EP068: Endrin ketone	53494-70-5	0.5	µg/L	<0.5	5 µg/L	90.8	63.8	110
EP068: Methoxychlor	72-43-5	2	µg/L	<2.0	5 µg/L	82.5	61.1	114
EP068B: Organophosphorus Pesticides (OP) (QCLot: 6721888)								
EP068: Dichlorvos	62-73-7	0.5	µg/L	<0.5	5 µg/L	77.9	65.6	114
EP068: Demeton-S-methyl	919-86-8	0.5	µg/L	<0.5	5 µg/L	81.8	63.7	113
EP068: Monocrotophos	6923-22-4	2	µg/L	<2.0	5 µg/L	25.7	19.7	48.0
EP068: Dimethoate	60-51-5	0.5	µg/L	<0.5	5 µg/L	87.4	69.5	110
EP068: Diazinon	333-41-5	0.5	µg/L	<0.5	5 µg/L	101	71.1	110
EP068: Chlorpyrifos-methyl	5598-13-0	0.5	µg/L	<0.5	5 µg/L	98.6	77.0	119
EP068: Parathion-methyl	298-00-0	2	µg/L	<2.0	5 µg/L	91.9	70.0	124
EP068: Malathion	121-75-5	0.5	µg/L	<0.5	5 µg/L	100.0	68.4	116
EP068: Fenthion	55-38-9	0.5	µg/L	<0.5	5 µg/L	93.9	68.6	112
EP068: Chlorpyrifos	2921-88-2	0.5	µg/L	<0.5	5 µg/L	99.3	75.0	119
EP068: Parathion	56-38-2	2	µg/L	<2.0	5 µg/L	87.7	67.0	121
EP068: Pirimphos-ethyl	23505-41-1	0.5	µg/L	<0.5	5 µg/L	93.6	69.0	121
EP068: Chlorfenvinphos	470-90-6	0.5	µg/L	<0.5	5 µg/L	98.4	71.8	110
EP068: Bromophos-ethyl	4824-78-6	0.5	µg/L	<0.5	5 µg/L	94.3	67.5	112
EP068: Fenamiphos	22224-92-6	0.5	µg/L	<0.5	5 µg/L	95.1	64.1	116
EP068: Prothiofos	34643-46-4	0.5	µg/L	<0.5	5 µg/L	101	67.8	114
EP068: Ethion	563-12-2	0.5	µg/L	<0.5	5 µg/L	103	74.0	120
EP068: Carbophenothion	786-19-6	0.5	µg/L	<0.5	5 µg/L	84.9	66.2	114
EP068: Azinphos Methyl	86-50-0	0.5	µg/L	<0.5	5 µg/L	83.9	51.6	128
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 6723622)								
EP074: Styrene	100-42-5	5	µg/L	<5	10 µg/L	104	73.0	119

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 6723622) - continued								
EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	10 µg/L	108	76.0	118
EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	10 µg/L	106	69.0	119
EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	10 µg/L	105	74.0	116
EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	10 µg/L	108	73.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	10 µg/L	104	74.0	116
EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	10 µg/L	104	72.0	116
EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	10 µg/L	110	71.0	119
EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	10 µg/L	107	65.0	123
EP074B: Oxygenated Compounds (QCLot: 6723622)								
EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	100 µg/L	105	61.4	134
EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	100 µg/L	99.0	73.6	130
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	100 µg/L	102	66.0	132
EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	100 µg/L	102	65.0	137
EP074C: Sulfonated Compounds (QCLot: 6723622)								
EP074: Carbon disulfide	75-15-0	5	µg/L	<5	10 µg/L	96.7	72.8	127
EP074D: Fumigants (QCLot: 6723622)								
EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	10 µg/L	108	68.0	122
EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	10 µg/L	104	76.0	118
EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	10 µg/L	102	62.0	120
EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	10 µg/L	101	60.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	10 µg/L	107	69.0	117
EP074E: Halogenated Aliphatic Compounds (QCLot: 6723622)								
EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	100 µg/L	70.5	60.6	138
EP074: Chloromethane	74-87-3	50	µg/L	<50	100 µg/L	84.9	67.4	130
EP074: Vinyl chloride	75-01-4	50	µg/L	<50	100 µg/L	90.2	69.4	129
EP074: Bromomethane	74-83-9	50	µg/L	<50	100 µg/L	88.0	56.0	140
EP074: Chloroethane	75-00-3	50	µg/L	<50	100 µg/L	97.0	61.0	139
EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	100 µg/L	101	69.0	131
EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	10 µg/L	102	70.0	124
EP074: Iodomethane	74-88-4	5	µg/L	<5	10 µg/L	94.6	70.2	128
EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	10 µg/L	103	74.0	118
EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	10 µg/L	103	74.0	120
EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	10 µg/L	105	77.0	119
EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	10 µg/L	105	67.0	119

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 6723622) - continued								
EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	10 µg/L	107	73.0	119
EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	10 µg/L	103	62.0	120
EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	10 µg/L	105	73.0	123
EP074: Trichloroethene	79-01-6	5	µg/L	<5	10 µg/L	108	76.0	118
EP074: Dibromomethane	74-95-3	5	µg/L	<5	10 µg/L	104	73.0	119
EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	10 µg/L	109	72.0	126
EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	10 µg/L	104	71.0	129
EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	10 µg/L	105	72.0	124
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	10 µg/L	102	66.0	114
EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	10 µg/L	103	60.0	120
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	10 µg/L	102	70.6	128
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	10 µg/L	105	70.0	124
EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	10 µg/L	107	74.0	126
EP074: Pentachloroethane	76-01-7	5	µg/L	<5	10 µg/L	101	71.8	126
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	10 µg/L	101	66.4	136
EP074F: Halogenated Aromatic Compounds (QCLot: 6723622)								
EP074: Chlorobenzene	108-90-7	5	µg/L	<5	10 µg/L	105	79.0	117
EP074: Bromobenzene	108-86-1	5	µg/L	<5	10 µg/L	104	76.0	116
EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	10 µg/L	104	73.0	119
EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	10 µg/L	104	73.0	119
EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	10 µg/L	115	67.0	123
EP074G: Trihalomethanes (QCLot: 6723622)								
EP074: Chloroform	67-66-3	5	µg/L	<5	10 µg/L	106	72.0	120
EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	10 µg/L	98.5	64.0	118
EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	10 µg/L	102	65.0	115
EP074: Bromoform	75-25-2	5	µg/L	<5	10 µg/L	94.5	73.5	126
EP075(SIM)A: Phenolic Compounds (QCLot: 6721889)								
EP075(SIM): Phenol	108-95-2	1	µg/L	<1.0	5 µg/L	36.2	24.5	61.9
EP075(SIM): 2-Chlorophenol	95-57-8	1	µg/L	<1.0	5 µg/L	76.7	52.0	90.0
EP075(SIM): 2-Methylphenol	95-48-7	1	µg/L	<1.0	5 µg/L	69.8	51.0	91.0
EP075(SIM): 3- & 4-Methylphenol	1319-77-3	2	µg/L	<2.0	10 µg/L	65.6	44.0	88.0
EP075(SIM): 2-Nitrophenol	88-75-5	1	µg/L	<1.0	5 µg/L	66.4	48.0	100
EP075(SIM): 2.4-Dimethylphenol	105-67-9	1	µg/L	<1.0	5 µg/L	66.2	49.0	99.0
EP075(SIM): 2.4-Dichlorophenol	120-83-2	1	µg/L	<1.0	5 µg/L	65.9	53.0	105

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP075(SIM)A: Phenolic Compounds (QCLot: 6721889) - continued								
EP075(SIM): 2.6-Dichlorophenol	87-65-0	1	µg/L	<1.0	5 µg/L	66.4	57.0	105
EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	1	µg/L	<1.0	5 µg/L	69.4	53.0	99.0
EP075(SIM): 2.4.6-Trichlorophenol	88-06-2	1	µg/L	<1.0	5 µg/L	77.4	50.0	106
EP075(SIM): 2.4.5-Trichlorophenol	95-95-4	1	µg/L	<1.0	5 µg/L	76.6	51.0	105
EP075(SIM): Pentachlorophenol	87-86-5	2	µg/L	<2.0	10 µg/L	40.1	10.0	95.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6721889)								
EP075(SIM): Naphthalene	91-20-3	1	µg/L	<1.0	5 µg/L	64.4	50.0	94.0
EP075(SIM): Acenaphthylene	208-96-8	1	µg/L	<1.0	5 µg/L	89.4	63.6	114
EP075(SIM): Acenaphthene	83-32-9	1	µg/L	<1.0	5 µg/L	99.5	62.2	113
EP075(SIM): Fluorene	86-73-7	1	µg/L	<1.0	5 µg/L	92.5	63.9	115
EP075(SIM): Phenanthrene	85-01-8	1	µg/L	<1.0	5 µg/L	79.9	62.6	116
EP075(SIM): Anthracene	120-12-7	1	µg/L	<1.0	5 µg/L	83.4	64.3	116
EP075(SIM): Fluoranthene	206-44-0	1	µg/L	<1.0	5 µg/L	83.7	63.6	118
EP075(SIM): Pyrene	129-00-0	1	µg/L	<1.0	5 µg/L	85.2	63.1	118
EP075(SIM): Benz(a)anthracene	56-55-3	1	µg/L	<1.0	5 µg/L	81.1	64.1	117
EP075(SIM): Chrysene	218-01-9	1	µg/L	<1.0	5 µg/L	89.7	62.5	116
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	1	µg/L	<1.0	5 µg/L	76.8	61.7	119
EP075(SIM): Benzo(k)fluoranthene	207-08-9	1	µg/L	<1.0	5 µg/L	97.4	63.0	115
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	µg/L	<0.5	5 µg/L	79.0	63.3	117
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	1	µg/L	<1.0	5 µg/L	89.6	59.9	118
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	1	µg/L	<1.0	5 µg/L	88.4	61.2	117
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	1	µg/L	<1.0	5 µg/L	85.9	59.1	118
EP075A: Phenolic Compounds (QCLot: 6721891)								
EP075: Phenol	108-95-2	2	µg/L	<2	10 µg/L	29.8	25.5	64.1
EP075: 2-Chlorophenol	95-57-8	2	µg/L	<2	10 µg/L	59.0	52.0	88.0
EP075: 2-Methylphenol	95-48-7	2	µg/L	<2	10 µg/L	51.4	50.0	94.0
EP075: 3- & 4-Methylphenol	1319-77-3	2	µg/L	<2	10 µg/L	51.8	45.0	96.2
EP075: 2-Nitrophenol	88-75-5	2	µg/L	<2	10 µg/L	67.9	48.0	98.0
EP075: 2.4-Dimethylphenol	105-67-9	2	µg/L	<2	10 µg/L	# 35.3	50.0	94.0
EP075: 2.4-Dichlorophenol	120-83-2	2	µg/L	<2	10 µg/L	80.8	61.9	109
EP075: 2.6-Dichlorophenol	87-65-0	2	µg/L	<2	10 µg/L	74.4	61.5	108
EP075: 4-Chloro-3-methylphenol	59-50-7	2	µg/L	<2	10 µg/L	72.6	61.4	107
EP075: 2.4.6-Trichlorophenol	88-06-2	2	µg/L	<2	10 µg/L	75.3	57.6	112

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075A: Phenolic Compounds (QCLot: 6721891) - continued								
EP075: 2.4.5-Trichlorophenol	95-95-4	2	µg/L	<2	10 µg/L	76.7	58.0	110
EP075: Pentachlorophenol	87-86-5	4	µg/L	<4	20 µg/L	70.9	12.8	95.0
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6721891)								
EP075: Naphthalene	91-20-3	2	µg/L	<2	10 µg/L	71.2	51.0	95.0
EP075: 2-Methylnaphthalene	91-57-6	2	µg/L	<2	10 µg/L	73.2	59.0	108
EP075: 2-Chloronaphthalene	91-58-7	2	µg/L	<2	10 µg/L	77.2	60.6	106
EP075: Acenaphthylene	208-96-8	2	µg/L	<2	10 µg/L	74.2	64.0	108
EP075: Acenaphthene	83-32-9	2	µg/L	<2	10 µg/L	80.2	65.0	108
EP075: Fluorene	86-73-7	2	µg/L	<2	10 µg/L	80.7	65.2	107
EP075: Phenanthrene	85-01-8	2	µg/L	<2	10 µg/L	82.2	66.7	108
EP075: Anthracene	120-12-7	2	µg/L	<2	10 µg/L	84.2	65.8	108
EP075: Fluoranthene	206-44-0	2	µg/L	<2	10 µg/L	78.0	64.9	109
EP075: Pyrene	129-00-0	2	µg/L	<2	10 µg/L	78.5	60.1	111
EP075: N-2-Fluorenyl Acetamide	53-96-3	2	µg/L	<2	10 µg/L	90.9	59.7	110
EP075: Benz(a)anthracene	56-55-3	2	µg/L	<2	10 µg/L	86.9	62.2	112
EP075: Chrysene	218-01-9	2	µg/L	<2	10 µg/L	90.3	59.3	114
EP075: Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	4	µg/L	<4	20 µg/L	74.9	60.1	111
EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	2	µg/L	<2	10 µg/L	81.1	50.0	108
EP075: Benzo(a)pyrene	50-32-8	2	µg/L	<2	10 µg/L	81.7	59.2	112
EP075: 3-Methylcholanthrene	56-49-5	2	µg/L	<2	10 µg/L	82.9	60.1	110
EP075: Indeno(1.2.3.cd)pyrene	193-39-5	2	µg/L	<2	10 µg/L	70.9	59.6	110
EP075: Dibenz(a.h)anthracene	53-70-3	2	µg/L	<2	10 µg/L	71.3	57.2	109
EP075: Benzo(g.h.i)perylene	191-24-2	2	µg/L	<2	10 µg/L	79.8	60.6	110
EP075: Benzo(a)pyrene TEQ (zero)	----	2	µg/L	<2	----	----	----	----
EP075C: Phthalate Esters (QCLot: 6721891)								
EP075: Dimethyl phthalate	131-11-3	2	µg/L	<2	10 µg/L	80.1	64.3	112
EP075: Diethyl phthalate	84-66-2	2	µg/L	<2	10 µg/L	87.6	67.3	111
EP075: Di-n-butyl phthalate	84-74-2	2	µg/L	<2	10 µg/L	99.2	68.4	122
EP075: Butyl benzyl phthalate	85-68-7	2	µg/L	<2	10 µg/L	88.0	61.2	114
EP075: bis(2-ethylhexyl) phthalate	117-81-7	----	µg/L	----	10 µg/L	111	60.0	132
EP075: Di-n-octylphthalate	117-84-0	2	µg/L	<2	10 µg/L	76.4	62.1	115
EP075D: Nitrosamines (QCLot: 6721891)								
EP075: N-Nitrosomethylethylamine	10595-95-6	2	µg/L	<2	10 µg/L	61.5	46.0	110

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075D: Nitrosamines (QCLot: 6721891) - continued								
EP075: N-Nitrosodiethylamine	55-18-5	2	µg/L	<2	10 µg/L	69.6	60.6	113
EP075: N-Nitrosopyrrolidine	930-55-2	4	µg/L	<4	10 µg/L	53.8	45.0	91.0
EP075: N-Nitrosomorpholine	59-89-2	2	µg/L	<2	10 µg/L	49.7	42.0	100
EP075: N-Nitrosodi-n-propylamine	621-64-7	2	µg/L	<2	10 µg/L	70.7	63.5	108
EP075: N-Nitrosopiperidine	100-75-4	2	µg/L	<2	10 µg/L	67.5	61.7	107
EP075: N-Nitrosodibutylamine	924-16-3	2	µg/L	<2	10 µg/L	75.1	62.5	108
EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	4	µg/L	<4	20 µg/L	82.4	64.6	112
EP075: Methapyrilene	91-80-5	2	µg/L	<2	10 µg/L	72.0	23.3	125
EP075E: Nitroaromatics and Ketones (QCLot: 6721891)								
EP075: 2-Picoline	109-06-8	2	µg/L	<2	10 µg/L	43.2	41.0	109
EP075: Acetophenone	98-86-2	2	µg/L	<2	10 µg/L	69.2	68.3	112
EP075: Nitrobenzene	98-95-3	2	µg/L	<2	10 µg/L	70.2	68.3	112
EP075: Isophorone	78-59-1	2	µg/L	<2	10 µg/L	71.3	67.6	111
EP075: 2.6-Dinitrotoluene	606-20-2	4	µg/L	<4	10 µg/L	78.5	64.4	113
EP075: 2.4-Dinitrotoluene	121-14-2	4	µg/L	<4	10 µg/L	81.7	59.5	109
EP075: 1-Naphthylamine	134-32-7	2	µg/L	<2	10 µg/L	81.2	46.8	102
EP075: 4-Nitroquinoline-N-oxide	56-57-5	2	µg/L	<2	10 µg/L	# 106	40.0	96.0
EP075: 5-Nitro-o-toluidine	99-55-8	2	µg/L	<2	10 µg/L	82.2	58.3	106
EP075: Azobenzene	103-33-3	2	µg/L	<2	10 µg/L	82.0	66.0	112
EP075: 1.3.5-Trinitrobenzene	99-35-4	2	µg/L	<2	10 µg/L	79.9	46.0	108
EP075: Phenacetin	62-44-2	2	µg/L	<2	10 µg/L	76.2	57.8	101
EP075: 4-Aminobiphenyl	92-67-1	2	µg/L	<2	10 µg/L	63.7	60.1	112
EP075: Pentachloronitrobenzene	82-68-8	2	µg/L	<2	10 µg/L	73.8	59.0	109
EP075: Pronamide	23950-58-5	2	µg/L	<2	10 µg/L	82.1	62.7	109
EP075: Dimethylaminoazobenzene	60-11-7	2	µg/L	<2	10 µg/L	72.0	59.4	108
EP075: Chlorobenzilate	510-15-6	2	µg/L	<2	10 µg/L	80.4	57.7	110
EP075F: Haloethers (QCLot: 6721891)								
EP075: Bis(2-chloroethyl) ether	111-44-4	2	µg/L	<2	10 µg/L	# 66.2	69.1	112
EP075: Bis(2-chloroethoxy) methane	111-91-1	2	µg/L	<2	10 µg/L	67.3	66.2	111
EP075: 4-Chlorophenyl phenyl ether	7005-72-3	2	µg/L	<2	10 µg/L	80.4	64.7	109
EP075: 4-Bromophenyl phenyl ether	101-55-3	2	µg/L	<2	10 µg/L	81.1	61.6	108
EP075G: Chlorinated Hydrocarbons (QCLot: 6721891)								
EP075: 1.4-Dichlorobenzene	106-46-7	2	µg/L	<2	10 µg/L	61.5	41.0	97.0

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075G: Chlorinated Hydrocarbons (QCLot: 6721891) - continued								
EP075: 1.3-Dichlorobenzene	541-73-1	2	µg/L	<2	10 µg/L	64.2	40.0	96.0
EP075: 1.2-Dichlorobenzene	95-50-1	2	µg/L	<2	10 µg/L	60.4	41.0	95.0
EP075: Hexachloroethane	67-72-1	2	µg/L	<2	10 µg/L	56.9	46.0	88.0
EP075: 1.2.4-Trichlorobenzene	120-82-1	2	µg/L	<2	10 µg/L	72.5	46.0	96.0
EP075: Hexachloropropylene	1888-71-7	2	µg/L	<2	10 µg/L	67.4	34.0	96.0
EP075: Hexachlorobutadiene	87-68-3	2	µg/L	<2	10 µg/L	65.7	37.4	100
EP075: Hexachlorocyclopentadiene	77-47-4	10	µg/L	<10	10 µg/L	104	23.5	107
EP075: Pentachlorobenzene	608-93-5	2	µg/L	<2	10 µg/L	77.8	64.5	107
EP075: Hexachlorobenzene (HCB)	118-74-1	4	µg/L	<4	10 µg/L	76.2	65.7	110
EP075H: Anilines and Benzidines (QCLot: 6721891)								
EP075: Aniline	62-53-3	2	µg/L	<2	10 µg/L	# 48.6	50.0	104
EP075: 4-Chloroaniline	106-47-8	2	µg/L	<2	10 µg/L	71.6	42.0	106
EP075: 2-Nitroaniline	88-74-4	4	µg/L	<4	10 µg/L	80.0	60.9	110
EP075: 3-Nitroaniline	99-09-2	4	µg/L	<4	10 µg/L	79.3	51.5	96.9
EP075: Dibenzofuran	132-64-9	2	µg/L	<2	10 µg/L	79.0	65.3	108
EP075: 4-Nitroaniline	100-01-6	2	µg/L	<2	10 µg/L	63.9	48.9	99.5
EP075: Carbazole	86-74-8	2	µg/L	<2	10 µg/L	91.7	64.3	107
EP075: 3.3`-Dichlorobenzidine	91-94-1	2	µg/L	<2	10 µg/L	107	60.3	119
EP075I: Organochlorine Pesticides (QCLot: 6721891)								
EP075: alpha-BHC	319-84-6	2	µg/L	<2	10 µg/L	81.7	64.3	110
EP075: beta-BHC	319-85-7	2	µg/L	<2	10 µg/L	71.4	53.0	107
EP075: gamma-BHC - (Lindane)	58-89-9	2	µg/L	<2	10 µg/L	76.5	51.0	111
EP075: delta-BHC	319-86-8	2	µg/L	<2	10 µg/L	81.1	57.0	111
EP075: Heptachlor	76-44-8	2	µg/L	<2	10 µg/L	89.6	57.9	108
EP075: Aldrin	309-00-2	2	µg/L	<2	10 µg/L	94.4	56.0	112
EP075: Heptachlor epoxide	1024-57-3	2	µg/L	<2	10 µg/L	86.8	50.0	118
EP075: alpha-Endosulfan	959-98-8	2	µg/L	<2	10 µg/L	78.0	59.0	111
EP075: 4.4`-DDE	72-55-9	2	µg/L	<2	10 µg/L	77.0	53.0	115
EP075: Dieldrin	60-57-1	2	µg/L	<2	10 µg/L	86.2	59.0	115
EP075: Endrin	72-20-8	2	µg/L	<2	10 µg/L	79.0	58.0	114
EP075: beta-Endosulfan	33213-65-9	2	µg/L	<2	10 µg/L	78.9	54.0	116
EP075: 4.4`-DDD	72-54-8	2	µg/L	<2	10 µg/L	81.9	55.0	115
EP075: Endosulfan sulfate	1031-07-8	2	µg/L	<2	10 µg/L	93.6	52.8	114
EP075: 4.4`-DDT	50-29-3	4	µg/L	<4	10 µg/L	81.6	56.0	114

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075I: Organochlorine Pesticides (QCLot: 6721891) - continued								
EP075: Sum of Aldrin + Dieldrin	309-00-2/60-57-1	4	µg/L	<4	----	----	----	----
EP075: Sum of DDD + DDE + DDT	72-54-8/72-5 5-9/50-2	4	µg/L	<4	----	----	----	----
EP075J: Organophosphorus Pesticides (QCLot: 6721891)								
EP075: Dichlorvos	62-73-7	2	µg/L	<2	10 µg/L	83.2	51.0	113
EP075: Dimethoate	60-51-5	2	µg/L	<2	10 µg/L	65.3	43.0	109
EP075: Diazinon	333-41-5	2	µg/L	<2	10 µg/L	85.3	49.0	113
EP075: Chlorpyrifos-methyl	5598-13-0	2	µg/L	<2	10 µg/L	87.8	54.1	116
EP075: Malathion	121-75-5	2	µg/L	<2	10 µg/L	105	54.0	124
EP075: Fenthion	55-38-9	2	µg/L	<2	10 µg/L	90.4	57.0	115
EP075: Chlorpyrifos	2921-88-2	2	µg/L	<2	10 µg/L	90.6	53.0	109
EP075: Pirimphos-ethyl	23505-41-1	2	µg/L	<2	10 µg/L	81.7	55.0	111
EP075: Chlorfenvinphos	470-90-6	2	µg/L	<2	10 µg/L	82.3	50.0	116
EP075: Prothiofos	34643-46-4	2	µg/L	<2	10 µg/L	78.2	54.0	118
EP075: Ethion	563-12-2	2	µg/L	<2	10 µg/L	86.2	51.0	117
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6721887)								
EP071: C10 - C14 Fraction	----	50	µg/L	<50	400 µg/L	67.2	53.7	97.0
EP071: C15 - C28 Fraction	----	100	µg/L	<100	600 µg/L	85.0	63.3	107
EP071: C29 - C36 Fraction	----	50	µg/L	<50	400 µg/L	96.7	58.3	120
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6723623)								
EP080: C6 - C9 Fraction	----	20	µg/L	<20	260 µg/L	105	75.0	127
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6721887)								
EP071: >C10 - C16 Fraction	----	100	µg/L	<100	500 µg/L	69.3	53.9	95.5
EP071: >C16 - C34 Fraction	----	100	µg/L	<100	700 µg/L	89.7	57.8	110
EP071: >C34 - C40 Fraction	----	100	µg/L	<100	300 µg/L	104	50.5	115
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6723623)								
EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	310 µg/L	95.3	75.0	127
EP080: BTEXN (QCLot: 6723623)								
EP080: Benzene	71-43-2	1	µg/L	<1	10 µg/L	100	68.3	119
EP080: Toluene	108-88-3	2	µg/L	<2	10 µg/L	99.1	73.5	120
EP080: Ethylbenzene	100-41-4	2	µg/L	<2	10 µg/L	101	73.8	122
EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	10 µg/L	106	73.0	122
EP080: ortho-Xylene	95-47-6	2	µg/L	<2	10 µg/L	113	76.4	123

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP080: BTEXN (QCLot: 6723623) - continued								
EP080: Naphthalene	91-20-3	5	µg/L	<5	10 µg/L	99.2	75.5	124
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6721781)								
EP231X-ST: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.002	µg/L	<0.002	0.004 µg/L	95.6	50.0	130
EP231X-ST: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0005	µg/L	<0.0005	0.004 µg/L	79.7	50.0	130
EP231X-ST: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0005	µg/L	<0.0005	0.004 µg/L	110	50.0	130
EP231X-ST: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0005	µg/L	<0.0005	0.004 µg/L	88.1	50.0	130
EP231X-ST: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0005	µg/L	<0.0005	0.004 µg/L	95.8	50.0	130
EP231X-ST: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0003	µg/L	<0.0003	0.004 µg/L	88.3	50.0	130
EP231X-ST: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0005	µg/L	<0.0005	0.004 µg/L	82.4	50.0	130
EP231X-ST: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0005	µg/L	<0.0005	0.004 µg/L	78.3	50.0	130
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6721781)								
EP231X-ST: Perfluorobutanoic acid (PFBA)	375-22-4	0.002	µg/L	<0.002	0.02 µg/L	74.5	30.0	130
EP231X-ST: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0005	µg/L	<0.0005	0.004 µg/L	98.9	50.0	130
EP231X-ST: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0005	µg/L	<0.0005	0.004 µg/L	93.4	50.0	130
EP231X-ST: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0005	µg/L	<0.0005	0.004 µg/L	88.0	50.0	130
EP231X-ST: Perfluorooctanoic acid (PFOA)	335-67-1	0.0005	µg/L	<0.0005	0.004 µg/L	99.6	50.0	130
EP231X-ST: Perfluorononanoic acid (PFNA)	375-95-1	0.0005	µg/L	<0.0005	0.004 µg/L	95.2	50.0	130
EP231X-ST: Perfluorodecanoic acid (PFDA)	335-76-2	0.0005	µg/L	<0.0005	0.004 µg/L	109	50.0	130
EP231X-ST: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0005	µg/L	<0.0005	0.004 µg/L	117	40.0	130
EP231X-ST: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0005	µg/L	<0.0005	0.004 µg/L	104	40.0	130
EP231X-ST: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0005	µg/L	<0.0005	0.004 µg/L	97.1	40.0	130
EP231X-ST: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	µg/L	<0.0005	0.01 µg/L	90.1	40.0	130
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6721781)								
EP231X-ST: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0005	µg/L	<0.0005	0.004 µg/L	91.6	40.0	130
EP231X-ST: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.001	µg/L	<0.001	0.01 µg/L	76.9	40.0	130
EP231X-ST: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.001	µg/L	<0.001	0.01 µg/L	77.6	40.0	130
EP231X-ST: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.001	µg/L	<0.001	0.01 µg/L	100	40.0	130
EP231X-ST: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.001	µg/L	<0.001	0.01 µg/L	94.8	40.0	130
EP231X-ST: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0005	µg/L	<0.0005	0.004 µg/L	98.7	40.0	130
EP231X-ST: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0005	µg/L	<0.0005	0.004 µg/L	79.0	40.0	130
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6721781)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6721781) - continued								
EP231X-ST: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.001	µg/L	<0.001	0.004 µg/L	72.0	50.0	130
EP231X-ST: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.001	µg/L	<0.001	0.004 µg/L	76.2	50.0	130
EP231X-ST: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.001	µg/L	<0.001	0.004 µg/L	105	50.0	130
EP231X-ST: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.001	µg/L	<0.001	0.004 µg/L	89.8	50.0	130
EP231P: PFAS Sums (QCLot: 6721781)								
EP231X-ST: Sum of PFAS	----	0.0003	µg/L	<0.0003	----	----	----	----

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**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 6723421)							
ES2521546-004	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	84.5	70.0	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	87.6	70.0	130
		EG005T: Chromium	7440-47-3	50 mg/kg	80.9	68.0	132
		EG005T: Copper	7440-50-8	250 mg/kg	86.6	70.0	130
		EG005T: Lead	7439-92-1	250 mg/kg	88.7	70.0	130
		EG005T: Nickel	7440-02-0	50 mg/kg	80.8	70.0	130
		EG005T: Zinc	7440-66-6	250 mg/kg	68.8	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 6723420)							
ES2521546-002	Anonymous	EG035T: Mercury	7439-97-6	5 mg/kg	104	70.0	130
EK055: Ammonia as N (QCLot: 6732427)							
ES2521567-002	SEDQA01a	EK055: Ammonia as N	7664-41-7	200 mg/kg	101	70.0	130
EK057G: Nitrite as N by Discrete Analyser (QCLot: 6723410)							
ES2521567-002	SEDQA01a	EK057G: Nitrite as N (Sol.)	14797-65-0	2.5 mg/kg	108	70.0	130
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 6723409)							
ES2521548-001	Anonymous	EK059G: Nitrite + Nitrate as N (Sol.)	----	2.5 mg/kg	115	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 6728196)							
ES2521170-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	200 mg/kg	88.5	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 6728195)							
ES2521170-001	Anonymous	EK067G: Total Phosphorus as P	----	40 mg/kg	70.9	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6721495)							

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 6721495) - continued							
ES2521567-002	SEDQA01a	EP066: Total Polychlorinated biphenyls	----	1 mg/kg	96.2	70.0	130
EP068A: Organochlorine Pesticides (OC) (QCLot: 6721494)							
ES2521567-002	SEDQA01a	EP068: gamma-BHC - (Lindane)	58-89-9	0.5 mg/kg	114	70.0	130
		EP068: Heptachlor	76-44-8	0.5 mg/kg	95.8	70.0	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	94.6	70.0	130
		EP068: Dieldrin	60-57-1	0.5 mg/kg	99.6	70.0	130
		EP068: Endrin	72-20-8	2 mg/kg	88.9	70.0	130
		EP068: 4.4`-DDT	50-29-3	2 mg/kg	75.3	70.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 6721494)							
ES2521567-002	SEDQA01a	EP068: Diazinon	333-41-5	0.5 mg/kg	96.2	70.0	130
		EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	92.9	70.0	130
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	93.6	70.0	130
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	89.9	70.0	130
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	83.8	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 6722130)							
ES2521567-002	SEDQA01a	EP074: 1.1-Dichloroethene	75-35-4	2.5 mg/kg	94.7	70.0	130
		EP074: Trichloroethene	79-01-6	2.5 mg/kg	85.2	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 6722130)							
ES2521567-002	SEDQA01a	EP074: Chlorobenzene	108-90-7	2.5 mg/kg	86.0	70.0	130
EP075(SIM)A: Phenolic Compounds (QCLot: 6721493)							
ES2521567-002	SEDQA01a	EP075(SIM): Phenol	108-95-2	10 mg/kg	90.9	70.0	130
		EP075(SIM): 2-Chlorophenol	95-57-8	10 mg/kg	93.8	70.0	130
		EP075(SIM): 2-Nitrophenol	88-75-5	10 mg/kg	101	60.0	130
		EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	10 mg/kg	91.1	70.0	130
		EP075(SIM): Pentachlorophenol	87-86-5	10 mg/kg	84.8	20.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 6721493)							
ES2521567-002	SEDQA01a	EP075(SIM): Acenaphthene	83-32-9	10 mg/kg	89.5	70.0	130
		EP075(SIM): Pyrene	129-00-0	10 mg/kg	102	70.0	130
EP075A: Phenolic Compounds (QCLot: 6721496)							
ES2521567-002	SEDQA01a	EP075: Phenol	108-95-2	10 mg/kg	78.6	60.0	130
		EP075: 2-Chlorophenol	95-57-8	10 mg/kg	77.6	60.0	130
		EP075: 2-Nitrophenol	88-75-5	10 mg/kg	79.8	50.0	130
		EP075: 4-Chloro-3-methylphenol	59-50-7	10 mg/kg	86.4	50.0	130
		EP075: Pentachlorophenol	87-86-5	10 mg/kg	64.7	10.0	130
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6721496)							
ES2521567-002	SEDQA01a	EP075: Acenaphthene	83-32-9	10 mg/kg	72.2	50.0	130

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 6721496) - continued							
ES2521567-002	SEDQA01a	EP075: Pyrene	129-00-0	10 mg/kg	52.9	50.0	130
EP075D: Nitrosamines (QCLot: 6721496)							
ES2521567-002	SEDQA01a	EP075: N-Nitrosodi-n-propylamine	621-64-7	10 mg/kg	74.2	50.0	130
EP075E: Nitroaromatics and Ketones (QCLot: 6721496)							
ES2521567-002	SEDQA01a	EP075: 2.4-Dinitrotoluene	121-14-2	10 mg/kg	86.6	40.0	130
EP075G: Chlorinated Hydrocarbons (QCLot: 6721496)							
ES2521567-002	SEDQA01a	EP075: 1.4-Dichlorobenzene	106-46-7	10 mg/kg	76.0	60.0	130
		EP075: 1.2.4-Trichlorobenzene	120-82-1	10 mg/kg	69.9	50.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6721492)							
ES2521567-002	SEDQA01a	EP071: C10 - C14 Fraction	----	480 mg/kg	127	73.0	137
		EP071: C15 - C28 Fraction	----	3100 mg/kg	113	53.0	131
		EP071: C29 - C36 Fraction	----	2060 mg/kg	125	52.0	132
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6722129)							
ES2521567-002	SEDQA01a	EP080: C6 - C9 Fraction	----	32.5 mg/kg	81.5	60.4	142
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6721492)							
ES2521567-002	SEDQA01a	EP071: >C10 - C16 Fraction	----	860 mg/kg	120	73.0	137
		EP071: >C16 - C34 Fraction	----	4320 mg/kg	123	53.0	131
		EP071: >C34 - C40 Fraction	----	890 mg/kg	100	52.0	132
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6722129)							
ES2521567-002	SEDQA01a	EP080: C6 - C10 Fraction	C6_C10	37.5 mg/kg	80.4	61.1	142
EP080: BTEXN (QCLot: 6722129)							
ES2521567-002	SEDQA01a	EP080: Benzene	71-43-2	2.5 mg/kg	78.0	62.1	122
		EP080: Toluene	108-88-3	2.5 mg/kg	77.9	66.6	119
		EP080: Ethylbenzene	100-41-4	2.5 mg/kg	87.6	67.4	123
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2.5 mg/kg	85.0	66.4	121
		EP080: ortho-Xylene	95-47-6	2.5 mg/kg	88.6	70.7	121
		EP080: Naphthalene	91-20-3	2.5 mg/kg	81.5	61.1	115

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG020F: Dissolved Metals by ICP-MS (QCLot: 6731662)							
ES2520151-002	Anonymous	EG020A-F: Arsenic	7440-38-2	1 mg/L	100.0	70.0	130
		EG020A-F: Cadmium	7440-43-9	0.25 mg/L	93.8	70.0	130
		EG020A-F: Chromium	7440-47-3	1 mg/L	92.3	70.0	130
		EG020A-F: Copper	7440-50-8	1 mg/L	94.2	70.0	130

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG020F: Dissolved Metals by ICP-MS (QCLot: 6731662) - continued							
ES2520151-002	Anonymous	EG020A-F: Lead	7439-92-1	1 mg/L	86.1	70.0	130
		EG020A-F: Nickel	7440-02-0	1 mg/L	95.0	70.0	130
		EG020A-F: Zinc	7440-66-6	1 mg/L	96.3	70.0	130
EG035F: Dissolved Mercury by FIMS (QCLot: 6731664)							
ES2520151-001	Anonymous	EG035F: Mercury	7439-97-6	0.01 mg/L	93.3	70.0	130
EK055G: Ammonia as N by Discrete Analyser (QCLot: 6729565)							
ED2501043-001	Anonymous	EK055G: Ammonia as N	7664-41-7	50 mg/L	# Not Determined	70.0	130
EK057G: Nitrite as N by Discrete Analyser (QCLot: 6723354)							
ES2521449-001	Anonymous	EK057G: Nitrite as N	14797-65-0	0.5 mg/L	106	70.0	130
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 6729566)							
ED2501043-001	Anonymous	EK059G: Nitrite + Nitrate as N	----	50 mg/L	111	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 6729562)							
ED2501043-002	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	5 mg/L	# Not Determined	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 6729561)							
ED2501043-002	Anonymous	EK067G: Total Phosphorus as P	----	10 mg/L	93.0	70.0	130
EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 6723356)							
ES2521449-001	Anonymous	EK071G: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	104	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 6723622)							
ES2521461-001	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	25 µg/L	88.0	70.0	130
		EP074: Trichloroethene	79-01-6	25 µg/L	106	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 6723622)							
ES2521461-001	Anonymous	EP074: Chlorobenzene	108-90-7	25 µg/L	114	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 6723623)							
ES2521461-001	Anonymous	EP080: C6 - C9 Fraction	----	325 µg/L	120	70.0	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 6723623)							
ES2521461-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	375 µg/L	113	70.0	130
EP080: BTEXN (QCLot: 6723623)							
ES2521461-001	Anonymous	EP080: Benzene	71-43-2	25 µg/L	100	70.0	130
		EP080: Toluene	108-88-3	25 µg/L	101	70.0	130
		EP080: Ethylbenzene	100-41-4	25 µg/L	104	70.0	130
		EP080: meta- & para-Xylene	108-38-3 106-42-3	25 µg/L	107	70.0	130
		EP080: ortho-Xylene	95-47-6	25 µg/L	116	70.0	130

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: BTEXN (QCLot: 6723623) - continued							
ES2521461-001	Anonymous	EP080: Naphthalene	91-20-3	25 µg/L	104	70.0	130

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2521567**	Page	: 1 of 17
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Telephone	: +61 2 8784 8555
Project	: 30013573 Lord Howe Island Environmental Services WMF GW, SW, SED - ALS	Date Samples Received	: 15-Jul-2025
Site	: Lord Howe Island	Issue Date	: 22-Jul-2025
Sampler	: JORDAN PETRACCARO	No. of samples received	: 2
Order number	: 30013573	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.**
- **Laboratory Control outliers exist - please see following pages for full details.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **Surrogate recovery outliers exist for all regular sample matrices - please see following pages for full details.**

Outliers : Analysis Holding Time Compliance

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

Outliers : Frequency of Quality Control Samples

- **Quality Control Sample Frequency Outliers exist - please see following pages for full details.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP075A: Phenolic Compounds	QC-6721891-002	----	**2.4-Dimethylphenol**	105-67-9	35.3 %	50.0-94.0%	**Recovery less than lower control limit**
EP075E: Nitroaromatics and Ketones	QC-6721891-002	----	**4-Nitroquinoline-N-oxide**	56-57-5	106 %	40.0-96.0%	**Recovery greater than upper control limit**
EP075F: Haloethers	QC-6721891-002	----	**Bis(2-chloroethyl) ether**	111-44-4	66.2 %	69.1-112%	**Recovery less than lower control limit**
EP075H: Anilines and Benzidines	QC-6721891-002	----	**Aniline**	62-53-3	48.6 %	50.0-104%	**Recovery less than lower control limit**
Matrix Spike (MS) Recoveries							
EK055G: Ammonia as N by Discrete Analyser	ED2501043--001	Anonymous	**Ammonia as N**	7664-41-7	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser	ED2501043--002	Anonymous	**Total Kjeldahl Nitrogen as N**	----	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Regular Sample Surrogates

Sub-Matrix: **SEDIMENT**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Samples Submitted							
EP074S: VOC Surrogates	ES2521567-002	SEDQA01a	**1.2-Dichloroethane-D4**	17060-07-0	45.6 %	64.0-130 %	**Recovery less than lower data quality objective**
EP074S: VOC Surrogates	ES2521567-002	SEDQA01a	**Toluene-D8**	2037-26-5	39.9 %	66.0-136 %	**Recovery less than lower data quality objective**
EP074S: VOC Surrogates	ES2521567-002	SEDQA01a	**4-Bromofluorobenzene**	460-00-4	50.7 %	60.0-122 %	**Recovery less than lower data quality objective**
EP075(SIM)T: PAH Surrogates	ES2521567-002	SEDQA01a	**2-Fluorobiphenyl**	321-60-8	126 %	70.0-122 %	**Recovery greater than upper data quality objective**
EP080S: TPH(V)/BTEX Surrogates	ES2521567-002	SEDQA01a	**1.2-Dichloroethane-D4**	17060-07-0	53.4 %	63.2-125 %	**Recovery less than lower data quality objective**
EP080S: TPH(V)/BTEX Surrogates	ES2521567-002	SEDQA01a	**Toluene-D8**	2037-26-5	39.2 %	66.8-124 %	**Recovery less than lower data quality objective**
EP080S: TPH(V)/BTEX Surrogates	ES2521567-002	SEDQA01a	**4-Bromofluorobenzene**	460-00-4	51.0 %	66.0-131 %	**Recovery less than lower data quality objective**

Outliers : Analysis Holding Time Compliance

Matrix: **SOIL**

Method	Extraction / Preparation			Analysis		
Container / Client Sample ID(s)	Date extracted	Due for extraction	**Days overdue**	Date analysed	Due for analysis	**Days overdue**
EK057G: Nitrite as N by Discrete Analyser						
Soil Glass Jar - Unpreserved						
SEDQA01a	----	----	----	21-Jul-2025	18-Jul-2025	**3**

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Extraction / Preparation			Analysis		
	Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser						
Soil Glass Jar - Unpreserved						
SEDQA01a	----	----	----	21-Jul-2025	18-Jul-2025	**3**

Matrix: **WATER**

Method / Container / Client Sample ID(s)	Extraction / Preparation			Analysis		
	Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EK057G: Nitrite as N by Discrete Analyser						
Clear Plastic Bottle - Natural						
SWQA01a	----	----	----	16-Jul-2025	12-Jul-2025	**4**
EK071G: Reactive Phosphorus as P by discrete analyser						
Clear Plastic Bottle - Natural						
SWQA01a	----	----	----	16-Jul-2025	12-Jul-2025	**4**

Outliers : Frequency of Quality Control Samples

Matrix: **WATER**

Quality Control Sample Type / Analytical Methods	Method	Count QC	Count Regular	Rate (%) Actual	Rate (%) Expected	Quality Control Specification
Laboratory Duplicates (DUP)						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	3	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	2	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	2	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	0	2	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	4	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	3	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X-ST	0	3	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	2	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	2	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	0	2	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	4	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 / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
Soil Glass Jar - Unpreserved (EA055)							
SEDQA01a	**10-Jul-2025**	**----**	----	**----**	**16-Jul-2025**	24-Jul-2025	✓
EG005(ED093)T: Total Metals by ICP-AES							
Soil Glass Jar - Unpreserved (EG005T)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	06-Jan-2026	✓	**17-Jul-2025**	06-Jan-2026	✓
EG035T: Total Recoverable Mercury by FIMS							
Soil Glass Jar - Unpreserved (EG035T)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	07-Aug-2025	✓	**17-Jul-2025**	07-Aug-2025	✓
EK055: Ammonia as N							
Soil Glass Jar - Unpreserved (EK055)							
SEDQA01a	**10-Jul-2025**	**----**	----	**----**	**21-Jul-2025**	07-Aug-2025	✓
EK057G: Nitrite as N by Discrete Analyser							
Soil Glass Jar - Unpreserved (EK057G)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**21-Jul-2025**	18-Jul-2025	×
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser							
Soil Glass Jar - Unpreserved (EK059G)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	07-Aug-2025	✓	**21-Jul-2025**	18-Jul-2025	×
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser							
Soil Glass Jar - Unpreserved (EK061G)							
SEDQA01a	**10-Jul-2025**	**18-Jul-2025**	07-Aug-2025	✓	**21-Jul-2025**	15-Aug-2025	✓
EK067G: Total Phosphorus as P by Discrete Analyser							
Soil Glass Jar - Unpreserved (EK067G)							
SEDQA01a	**10-Jul-2025**	**18-Jul-2025**	07-Aug-2025	✓	**21-Jul-2025**	15-Aug-2025	✓
EP066: Polychlorinated Biphenyls (PCB)							
Soil Glass Jar - Unpreserved (EP066)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**19-Jul-2025**	25-Aug-2025	✓
EP068A: Organochlorine Pesticides (OC)							
Soil Glass Jar - Unpreserved (EP068)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**19-Jul-2025**	25-Aug-2025	✓
EP068B: Organophosphorus Pesticides (OP)							
Soil Glass Jar - Unpreserved (EP068)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**19-Jul-2025**	25-Aug-2025	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP074)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	17-Jul-2025	✓
EP074B: Oxygenated Compounds							
Soil Glass Jar - Unpreserved (EP074)							
SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	17-Jul-2025	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074C: Sulfonated Compounds							
Soil Glass Jar - Unpreserved (EP074) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	17-Jul-2025	✓
EP074D: Fumigants							
Soil Glass Jar - Unpreserved (EP074) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	17-Jul-2025	✓
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved (EP074) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	17-Jul-2025	✓
EP074F: Halogenated Aromatic Compounds							
Soil Glass Jar - Unpreserved (EP074) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	17-Jul-2025	✓
EP074G: Trihalomethanes							
Soil Glass Jar - Unpreserved (EP074) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	17-Jul-2025	✓
EP075(SIM)A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075(SIM)) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM)) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075C: Phthalate Esters							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075D: Nitrosamines							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075E: Nitroaromatics and Ketones							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075F: Haloethers							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075G: Chlorinated Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075H: Anilines and Benzidines							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075I: Organochlorine Pesticides							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP075J: Organophosphorus Pesticides							
Soil Glass Jar - Unpreserved (EP075) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	25-Aug-2025	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP080) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**17-Jul-2025**	24-Jul-2025	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Soil Glass Jar - Unpreserved (EP080) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**17-Jul-2025**	24-Jul-2025	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved (EP080) SEDQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**17-Jul-2025**	24-Jul-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		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) SWQA01a	**10-Jul-2025**	**----**	----	----	**21-Jul-2025**	06-Jan-2026	✓
EG035F: Dissolved Mercury by FIMS							
Clear Plastic Bottle - Nitric Acid; Filtered (EG035F) SWQA01a	**10-Jul-2025**	**----**	----	----	**22-Jul-2025**	07-Aug-2025	✓
EK055G: Ammonia as N by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK055G) SWQA01a	**10-Jul-2025**	**----**	----	----	**19-Jul-2025**	07-Aug-2025	✓
EK057G: Nitrite as N by Discrete Analyser							
Clear Plastic Bottle - Natural (EK057G) SWQA01a	**10-Jul-2025**	**----**	----	----	**16-Jul-2025**	12-Jul-2025	×
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK059G) SWQA01a	**10-Jul-2025**	**----**	----	----	**19-Jul-2025**	07-Aug-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK061G)							
SWQA01a	**10-Jul-2025**	**18-Jul-2025**	07-Aug-2025	✓	**20-Jul-2025**	07-Aug-2025	✓
EK067G: Total Phosphorus as P by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK067G)							
SWQA01a	**10-Jul-2025**	**18-Jul-2025**	07-Aug-2025	✓	**20-Jul-2025**	07-Aug-2025	✓
EK071G: Reactive Phosphorus as P by discrete analyser							
Clear Plastic Bottle - Natural (EK071G)							
SWQA01a	**10-Jul-2025**	**----**	----	----	**16-Jul-2025**	12-Jul-2025	×
EP066: Polychlorinated Biphenyls (PCB)							
Amber Glass Bottle - Unpreserved (EP066)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**19-Jul-2025**	25-Aug-2025	✓
EP068A: Organochlorine Pesticides (OC)							
Amber Glass Bottle - Unpreserved (EP068)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**19-Jul-2025**	25-Aug-2025	✓
EP068B: Organophosphorus Pesticides (OP)							
Amber Glass Bottle - Unpreserved (EP068)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**19-Jul-2025**	25-Aug-2025	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Clear glass VOC vial - HCl (EP074)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP074B: Oxygenated Compounds							
Clear glass VOC vial - HCl (EP074)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP074C: Sulfonated Compounds							
Clear glass VOC vial - HCl (EP074)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP074D: Fumigants							
Clear glass VOC vial - HCl (EP074)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP074E: Halogenated Aliphatic Compounds							
Clear glass VOC vial - HCl (EP074)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP074F: Halogenated Aromatic Compounds							
Clear glass VOC vial - HCl (EP074)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP074G: Trihalomethanes							
Clear glass VOC vial - HCl (EP074)							
SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075(SIM)A: Phenolic Compounds							
Amber Glass Bottle - Unpreserved (EP075(SIM)) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP075(SIM)) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075A: Phenolic Compounds							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075B: Polynuclear Aromatic Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075C: Phthalate Esters							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075D: Nitrosamines							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075E: Nitroaromatics and Ketones							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075F: Haloethers							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075G: Chlorinated Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075H: Anilines and Benzidines							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075I: Organochlorine Pesticides							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP075J: Organophosphorus Pesticides							
Amber Glass Bottle - Unpreserved (EP075) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**17-Jul-2025**	25-Aug-2025	✓
EP080/071: Total Petroleum Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP071) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**18-Jul-2025**	25-Aug-2025	✓
Clear glass VOC vial - HCl (EP080) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Amber Glass Bottle - Unpreserved (EP071) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	17-Jul-2025	✓	**18-Jul-2025**	25-Aug-2025	✓
Clear glass VOC vial - HCl (EP080) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP080: BTEXN							
Clear glass VOC vial - HCl (EP080) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	24-Jul-2025	✓	**16-Jul-2025**	24-Jul-2025	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X-ST) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	06-Jan-2026	✓	**18-Jul-2025**	06-Jan-2026	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X-ST) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	06-Jan-2026	✓	**18-Jul-2025**	06-Jan-2026	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X-ST) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	06-Jan-2026	✓	**18-Jul-2025**	06-Jan-2026	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X-ST) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	06-Jan-2026	✓	**18-Jul-2025**	06-Jan-2026	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X-ST) SWQA01a	**10-Jul-2025**	**16-Jul-2025**	06-Jan-2026	✓	**18-Jul-2025**	06-Jan-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)							
Buchi Ammonia	EK055	1	9	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Moisture Content	EA055	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx)- Soluble by Discrete Analyser	EK059G	2	10	**20.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite as N - Soluble by Discrete Analyser	EK057G	1	9	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	1	**100.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	**100.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	1	**100.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TKN as N By Discrete Analyser	EK061G	2	12	**16.67**	**9.52**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	2	15	**13.33**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus By Discrete Analyser	EK067G	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	1	**100.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	1	**100.00**	**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)							
Buchi Ammonia	EK055	1	9	**11.11**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx)- Soluble by Discrete Analyser	EK059G	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite as N - Soluble by Discrete Analyser	EK057G	1	9	**11.11**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TKN as N By Discrete Analyser	EK061G	3	12	**25.00**	**14.29**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus By Discrete Analyser	EK067G	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	1	**100.00**	**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)							
Buchi Ammonia	EK055	1	9	**11.11**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx)- Soluble by Discrete Analyser	EK059G	1	10	**10.00**	**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*	
Method Blanks (MB) - Continued							
Nitrite as N - Soluble by Discrete Analyser	EK057G	1	9	**11.11**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TKN as N By Discrete Analyser	EK061G	1	12	**8.33**	**4.76**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus By Discrete Analyser	EK067G	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	1	**100.00**	**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 Spikes (MS)							
Buchi Ammonia	EK055	1	9	**11.11**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx)- Soluble by Discrete Analyser	EK059G	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite as N - Soluble by Discrete Analyser	EK057G	1	9	**11.11**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TKN as N By Discrete Analyser	EK061G	1	12	**8.33**	**4.76**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus By Discrete Analyser	EK067G	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	1	**100.00**	**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: **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)							
Ammonia as N by Discrete analyser	EK055G	2	18	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Mercury by FIMS	EG035F	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite as N by Discrete Analyser	EK057G	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	3	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X-ST	1	3	**33.33**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard

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) - Continued							
Pesticides by GCMS	EP068	0	2	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	2	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Reactive Phosphorus as P-By Discrete Analyser	EK071G	2	14	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	0	2	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	4	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	2	18	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Ammonia as N by Discrete analyser	EK055G	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Mercury by FIMS	EG035F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite as N by Discrete Analyser	EK057G	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X-ST	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Reactive Phosphorus as P-By Discrete Analyser	EK071G	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	3	19	**15.79**	**15.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Ammonia as N by Discrete analyser	EK055G	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Mercury by FIMS	EG035F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite as N by Discrete Analyser	EK057G	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X-ST	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Reactive Phosphorus as P-By Discrete Analyser	EK071G	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

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*	
Method Blanks (MB) - Continued							
TRH - Semivolatile Fraction	EP071	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Ammonia as N by Discrete analyser	EK055G	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Mercury by FIMS	EG035F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite as N by Discrete Analyser	EK057G	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	3	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X-ST	0	3	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	2	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	2	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Reactive Phosphorus as P-By Discrete Analyser	EK071G	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	0	2	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	4	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	18	**5.56**	**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 (SnCl2) (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 SnCl2 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)
Buchi Ammonia	EK055	SOIL	In house: Referenced to APHA 4500-NH3 B&G, H Samples are steam distilled (Buchi) prior to analysis and quantified using titration, FIA or Discrete Analyser.
Nitrite as N - Soluble by Discrete Analyser	EK057G	SOIL	In house: Referenced to APHA 4500-NO3- B. Nitrite in a water extract is determined by direct colourimetry by Discrete Analyser.
Nitrate as N - Soluble by Discrete Analyser	EK058G	SOIL	In house: Referenced to APHA 4500-NO3- F. Nitrate in the 1:5 soil:water extract is reduced to nitrite by way of a chemical reduction followed by quantification by Discrete Analyser. Nitrite is determined seperately by direct colourimetry and result for Nitrate calculated as the difference between the two results.
Nitrite and Nitrate as N (NOx)- Soluble by Discrete Analyser	EK059G	SOIL	In house: Thermo Scientific Method D08727 and NEMI (National Environmental Method Index) Method ID: 9171. This method covers the determination of total oxidised nitrogen (NOx-N) and nitrate (NO3-N) by calculation, Combined oxidised Nitrogen (NO2+NO3) in a water extract is determined by direct colourimetry by Discrete Analyser.
TKN as N By Discrete Analyser	EK061G	SOIL	In house: Referenced to APHA 4500-Norg-D Soil samples are digested using Kjeldahl digestion followed by determination by Discrete Analyser.
Total Nitrogen as N (TKN + NOx) By Discrete Analyser	EK062G	SOIL	In house: Referenced to APHA 4500 Norg/NO3- Total Nitrogen is determined as the sum of TKN and Oxidised Nitrogen, each determined separately as N.
Total Phosphorus By Discrete Analyser	EK067G	SOIL	In house: Referenced to APHA 4500 P-B&F This procedure involves sulfuric acid digestion and quantification using Discrete Analyser.
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).
Semivolatile Organic Compounds	EP075	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).
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.
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.
Dissolved Mercury by FIMS	EG035F	WATER	In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) Samples are 0.45µm filtered prior to analysis. FIM-AAS is an automated flameless atomic absorption technique. A bromate/bromide reagent is used to oxidise any organic mercury compounds in the filtered sample. The ionic mercury is reduced online to atomic mercury vapour by SnCl2 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).
Ammonia as N by Discrete analyser	EK055G	WATER	In house: Referenced to APHA 4500-NH3 G Ammonia is determined by direct colorimetry by Discrete Analyser. This method is compliant with NEPM Schedule B(3)
Nitrite as N by Discrete Analyser	EK057G	WATER	In house: Referenced to APHA 4500-NO2- B. Nitrite is determined by direct colourimetry by Discrete Analyser. This method is compliant with NEPM Schedule B(3)
Nitrate as N by Discrete Analyser	EK058G	WATER	In house: Referenced to APHA 4500-NO3- F. Nitrate is reduced to nitrite by way of a chemical reduction followed by quantification by Discrete Analyser. Nitrite is determined seperately by direct colourimetry and result for Nitrate calculated as the difference between the two results. This method is compliant with NEPM Schedule B(3)
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	WATER	In house: Referenced to APHA 4500-NO3- F. Combined oxidised Nitrogen (NO2+NO3) is determined by Chemical Reduction and direct colourimetry by Discrete Analyser. This method is compliant with NEPM Schedule B(3)
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	WATER	In house: Referenced to APHA 4500-Norg D (In house). An aliquot of sample is digested using a high temperature Kjeldahl digestion to convert nitrogenous compounds to ammonia. Ammonia is determined colorimetrically by discrete analyser. This method is compliant with NEPM Schedule B(3)
Total Nitrogen as N (TKN + Nox) By Discrete Analyser	EK062G	WATER	In house: Referenced to APHA 4500-Norg / 4500-NO3-. This method is compliant with NEPM Schedule B(3)
Total Phosphorus as P By Discrete Analyser	EK067G	WATER	In house: Referenced to APHA 4500-P H, Jirka et al, Zhang et al. This procedure involves sulphuric acid digestion of a sample aliquot to break phosphorus down to orthophosphate. The orthophosphate reacts with ammonium molybdate and antimony potassium tartrate to form a complex which is then reduced and its concentration measured at 880nm using discrete analyser. This method is compliant with NEPM Schedule B(3)

Analytical Methods	Method	Matrix	Method Descriptions
Reactive Phosphorus as P-By Discrete Analyser	EK071G	WATER	In house: Referenced to APHA 4500-P F Ammonium molybdate and potassium antimonyl tartrate reacts in acid medium with othophosphate to form a heteropoly acid -phosphomolybdic acid - which is reduced to intensely coloured molybdenum blue by ascorbic acid. Quantification is by Discrete Analyser. This method is compliant with NEPM Schedule B(3)
Polychlorinated Biphenyls (PCB)	EP066	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample 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	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample 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)
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)
Volatile Organic Compounds	EP074	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. This method is compliant with NEPM Schedule B(3)
Semivolatile Organic Compounds	EP075	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample 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)
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)
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X-ST	WATER	In-house: Analysis of fresh and saline waters by solid phase extraction (SPE) followed by negative mode LC-ESI-MS/MS using MRM and isotope dilution or internal standard quantitation. Isotope dilution standards (where commercially available) and surrogates are added to the sample container. The entire contents are transferred to a weak anion exchange (WAX) solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Data quality objectives for internal standard recoveries are based on US EPA method 1633.

Preparation Methods	Method	Matrix	Method Descriptions
TKN/TP Digestion	EK061/EK067	SOIL	In house: Referenced to APHA 4500 Norg- D; APHA 4500 P - H. Macro Kjeldahl digestion.
1:5 solid / water leach for soluble analytes	EN34	SOIL	10 g of soil is mixed with 50 mL of reagent grade water and tumbled end over end for 1 hour. Water soluble salts are leached from the soil by the continuous suspension. Samples are settled and the water filtered off for analysis.

Preparation Methods	*Method*	*Matrix*	*Method Descriptions*
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.
TKN/TP Digestion	EK061/EK067	WATER	In house: Referenced to APHA 4500 Norg - D; APHA 4500 P - H. This method is compliant with NEPM Schedule B(3)
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.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2521567**

Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: STEVEN DRYSDALE	Contact	: Customer Services ES
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: steven.drysdale@smec.com	E-mail	: ALSEnviro.Sydney@ALSGlobal.com
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: 30013573 Lord Howe Island Environmental Services WMF GW, SW, SED - ALS	Page	: 1 of 3
Order number	: ----	Quote number	: EP2023SMEAUS0001 (EN/111)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Lord Howe Island		
Sampler	: JORDAN PETRACCARO		

Dates

Date Samples Received	: 15-Jul-2025 15:30	Issue Date	: 15-Jul-2025
Client Requested Due Date	: 22-Jul-2025	Scheduled Reporting Date	: **22-Jul-2025**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Intact.
No. of coolers/boxes	: 1	Temperature	: 12.2, 12.6, 9.6°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 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.**
- **Sample(s) requiring volatile organic compound analysis received in airtight containers (ZHE).**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- 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.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - S-19 TRH/BTEXN/PAH/Phl/OC/OP/PCB/8 metals	SOIL - S-23 minus BTEXN SVOC/VOC minus BTEXN
ES2521567-002	10-Jul-2025 00:00	SEDQA01a	✓	✓	✓

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - NT-8S NH3, NO2, NO3, NOX, TKN, TN, TP
ES2521567-002	10-Jul-2025 00:00	SEDQA01a	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X-ST PFAS - Full Suite (30 analytes) Super Trace	WATER - NT-08A Total Nitrogen + NO2 + NO3 + NH3 + Total P +	WATER - W-19 TRH/BTEXN/PAH/Phenols/OC/OP/PCB/8 metals	WATER - W-23 minus BTEX SVOC/VOC without BTEX
ES2521567-001	10-Jul-2025 00:00	SWQA01a	✓	✓	✓	✓

Proactive Holding Time Report

The following table summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Client Sample ID(s)	Container	Due for extraction	Due for analysis	Samples Received Date	Samples Received Evaluation	Instructions Received Date	Instructions Received Evaluation
EK057G: Nitrite as N by Discrete Analyser							
SWQA01a	Clear Plastic Bottle - Natural	----	12-Jul-2025	15-Jul-2025	✘	----	----
EK071G: Reactive Phosphorus as P-By Discrete Analyser							
SWQA01a	Clear Plastic Bottle - Natural	----	12-Jul-2025	15-Jul-2025	✘	----	----

Requested Deliverables

ACCOUNTS INVOICES

- A4 - AU Tax Invoice (INV)	Email	accounts.payable@smec.com

ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	smec@esdat.com.au

JORDAN PETRACCARO

- *AU Certificate of Analysis - NATA (COA)	Email	jordan.petraccaro@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jordan.petraccaro@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jordan.petraccaro@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jordan.petraccaro@smec.com
- Chain of Custody (CoC) (COC)	Email	jordan.petraccaro@smec.com
- EDI Format - ENMRG (ENMRG)	Email	jordan.petraccaro@smec.com
- EDI Format - ESDAT (ESDAT)	Email	jordan.petraccaro@smec.com

STEVEN DRYSDALE

- *AU Certificate of Analysis - NATA (COA)	Email	steven.drysdale@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	steven.drysdale@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	steven.drysdale@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	steven.drysdale@smec.com
- A4 - AU Tax Invoice (INV)	Email	steven.drysdale@smec.com
- Chain of Custody (CoC) (COC)	Email	steven.drysdale@smec.com
- EDI Format - ENMRG (ENMRG)	Email	steven.drysdale@smec.com
- EDI Format - ESDAT (ESDAT)	Email	steven.drysdale@smec.com

Environmental Division
Sydney
Work Order Reference
ES2521567

HT

UPDATED COC

smec
an ARUP company

CH

Telephone : +61-2-8784 8555

SMEC Office: Level 7, 40 Mount Street, North Sydney 2060

PROJECT NAME:	Lord Howe Island Environmental Services WMF GW, SW, SED - ALS			LABORATORY:	ALS Australia
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Jason Digton/Sample Receipt
PROJECT No:	30013573			ADDRESS & PHONE No.:	277-289 Woodpark Rd, Smithfield NSW 2164
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	Standard
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	'0432982682	DESPATCH COURIER (consignment reference):	Air Freight

DATE(s) SAMPLED:	4/07/2025 - 10/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	11/07/2025	DATE/TIME:	11/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:				
EMAIL INVOICE TO (default to PM/TL):	Steven.Drysdale@smec.com	DATE/TIME:	15/7/25 1530.			

SPECIAL LABORATORY INSTRUCTIONS:

SAMPLE DETAILS						ANALYSIS REQUIRED												
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	pH field screen	L2 + M30 Aggressivity and ion exchange	B7A	B15	ACM (NEPM)	pH and EC	W-19 + W-23 + NT-8A + PFAS (full suite ultratrace LOR)	S-19 + S-23 + NT-8S	TRH F6-F9+BTEX			Comment
1	SWQA01a	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	6							X					
2	SEDQA01a	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2								X				
				TOTAL	10	-	0	0	0	0	0	1	1	0	0	0	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

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CHAIN OF CUSTODY FORM

SMEC Office: Level 7, 40 Mount Street, North Sydney 2060

PROJECT NAME:	Lord Howe Island Environmental Services WMF GW, SW, SED			LABORATORY:	Eurofins
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Bateup/Sample Reciept
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	3 DAY TAT
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	0432982682	DESPATCH COURIER (consignment reference):	Air Freight
DATE(s) SAMPLED:	4/07/2025 - 10/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	11/07/2025	DATE/TIME:	11/07/2025	10/7 15:25	
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smer@esdat.com.au	RECEIVED BY:	-0.6		
EMAIL INVOICE TO (default to PM/TL):	Steven.Drysdale@smec.com	DATE/TIME:			

SPECIAL LABORATORY INSTRUCTIONS:

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	pH field screen	L2 + M30 Aggressivity and ion exchange	B7A	B15	ACM (NEPM)	pH and EC	B7A/ B15/ SVV/ B19E/ PFAS (full suite ultratrace LOR)	PFAS full suite	TRH F6-F9+BTEX			Comment
	WMFGW01	10/07/2025	GW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	WMFGW02	10/07/2025	GW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	WMFGW03	10/07/2025	GW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	WMFSW01	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	WMFSW02	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	WMFSW03	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	WMFSED01	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							X					
	WMFSED02	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							X					
	WMFSED03	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							X					
	SWQA01	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	SWQA01a	10/07/2025	SW	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8	Forward to ALS											
	SEDQA01	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2							X					
	SEDQA01a	10/07/2025	Sediment	1x Glass Jar, 1x PFAS Jar	2	Forward to ALS											
	PFAS Blank	10/07/2025	Blank	1x PFAS	1								X				
	Rinsate01	10/07/2025	Rinsate	1x Amber, 2x VOC, 1x nutrients, 2x Metals (UF and F) 1x PFAS, 1x Unpreserved	8							X					
	Trip Blank01	10/07/2025	Blank	1x VOC	1									X			
	Trip Spike01	10/07/2025	Spike	1x VOC	1									X			
	Trip Blank02	10/07/2025	Blank	1x VOC	1									X			

2

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CHAIN OF CUSTODY FORM

SMEC Office: Level 7, 40 Mount Street, North Sydney 2060

PROJECT NAME:	Lord Howe Island Environmental Services WMF GW, SW, SED			LABORATORY:	Eurofins	
SITE LOCATION:	Lord Howe Island			CONTACT PERSON:	Adam Batsouc/Sample Reciept	
PROJECT No:	30013573			ADDRESS & PHONE No.:	179 Magowar Rd, Girraween NSW 2145	
CLIENT:	Lord Howe Island Board			LABORATORY QUOTE No.:	25-0153-SME	
PROJECT MANAGER/ TECHNICAL LEAD:	Steven Drysdale	CONTACT PH:	0403503373	TURNAROUND REQUIREMENTS:	3 DAY TAT	
SAMPLED BY:	Jordan Petraccaro	CONTACT PH:	0432982682	DESPATCH COURIER (consignment reference):	Air Freight	
DATE(s) SAMPLED:	4/07/2025 - 10/07/2025	RELINQUISHED BY:	Jordan Petraccaro	2)	3)	4)
DATE/TIME OF DEPARTURE FROM SITE:	11/07/2025	DATE/TIME:	11/07/2025			
EMAIL REPORTS TO (default to PM/TL):	Steven.Drysdale@smec.com, Jordan.Petraccaro@smec.com, smec@esdat.com.au	RECEIVED BY:	[illegible]	14/7/25	1:11PM	-0.6
EMAIL INVOICE TO (default to PM/TL):	Steven.Drysdale@smec.com	DATE/TIME:	[illegible]	15/7	15:25	[illegible]

SPECIAL LABORATORY INSTRUCTIONS:

SAMPLE DETAILS						ANALYSIS REQUIRED											
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	pH field screen	L2 + M30 Aggressivity and Ion exchange	B7A	B15	ACM (NEPM)	pH and EC	B7A/ B15/ SVW/ B19E/ PFAS (full suite ultratrace LOR)	PFAS full suite	TRH F6-F9+BTEX			Comment
	Trip Spike/02	10/07/2025	Spike	1x VOC	1									X			
					#REF!	-	0	0	0	0	0	12	1	4	0	0	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

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Appendix G

Calibration Certificates

WAMSCIENTIFIC
Your water and air monitoring equipment specialists

Certificate of Service and Calibration
Interface Meter
Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	William Pak
Instrument	Heron H.Oil Interface Meter (30m)
Serial Number	01-8814
Client Name	Steven Drysdale, Hugh Selby, Logan Roy (Smec)
Project Number	30013573
Comments	

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	William Pak
Calibration Date	12/06/2025
Calibration Due	12/12/2025

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Certificate of Service and Calibration
Water Quality Meter
YSI Professional Plus

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	William Pak
Instrument	YSI Pro Quatro Water Quality Meter w/ 1m Quatro Cable
Serial Number	23A107177
Client Name	Steven Drysdale, Hugh Selby, Logan Roy (Smec)
Project Number	30013573
Comments	-

Instrument Check

Item	Test	Test Passed	Comments
2 x Alkaline C-size Batteries	Klein Tools MM300 Multimeter	✓	Both batteries reading above 2.9V
Battery Saver Function	Operation	✓	Automatically turns off after 60 minutes if idle
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Connection Port and Cable	Condition/Check	✓	Clean, no damage
Monitor Housing	Condition/Check	✓	No damage
Firmware	Version	✓	4.0.0
pH Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
pH millivolts for pH 7.00	Calibration	✓	pH 7.00 calibration range between 0 mV ± 50 mV
pH millivolts for pH 4.00	Calibration	✓	pH 4 mV range +165 to +180 from 7 buffer mV value
pH slope	Calibration	✓	Range between 55 to 60 mV/pH (ideal value 59 mV)
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
ORP Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
ORP Reading	Calibration	✓	Within ± 80 mV of reference Zobell Reading
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
Conductivity/Temp Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
Conductivity Cell	Calibration	✓	Conductivity cell constant 5.0 ± 1.0 in GLP file
Clean Sensor Readings	Calibration	✓	Clean sensor reads less than 3 uS/cm in dry air
Dissolved Oxygen Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
DO Cap	Condition/Calibration	✓	1.25 mil PE membrane (yellow membrane)
DO Sensor in Use	Condition	✓	Polarographic DO sensor
DO Sensor Value	Calibration	✓	(min 4.31 uA - max 8.00 uA) Avg 6.15 uA

Instrument Readings

Parameter	Standard Used	Reference No.	Calibration Value	Observed	Actual	Units
Temperature	Centre 370 Thermometer	Room Temp.	8.1	8.2	8.1	°C
pH	pH 4.00	417183	4.01	3.73	4.01	pH
pH	pH 7.00	419528	7.00	6.71	7.00	pH
ORP	Zobell A & B	420448/418958	266.2	285.9	266.2	mV
Conductivity	2760 µs/cm at 25°C	399819	2760	27852	2760	µs/cm
Zero Dissolved O_2	$NaSO_3$ in Distilled H_2O	426184	0.0	0.6	0.0	%
100% Dissolved O_2	100% Air Saturated H_2O	Fresh Air	100.0	96.6	100.0	%

Declaration

WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using solutions of known values.

Calibrated By	William Pak
Calibration Date	12/06/2025
Calibration Due	12/12/2025

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Certificate of Service and Calibration
Gas Detector
MiniRAE 3000

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	William Pak
Instrument	MiniRAE 3000 (PGM 7320)
Serial Number	592-908350
Client Name	Elvis Dsouza (SMEC)
Project Number	30013573A
Comments	-

Instrument Check			
Item	Test	Test Passed	Comments
Li-Ion Rechargeable Battery	Battery Charge and Drain	✓	Unit runs for > 8 hours on a full charge
Charger and Power Supply	Operation/Check	✓	No damage
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Pump	Flow Check	✓	Flow rate > 0.5 L/min
Monitor Housing	Condition/Check	✓	No damage
Rubber Boot	Check	✓	Clean, no damage
Flexi Probe	Condition/Check	✓	No leaks, no damage
Water Trap Filter	Visual Check	✓	Clean
Alarms	Audible, Visual, Vibration Check	✓	All modes of alarms are functional
Data Logger	Operation	✓	Unit records data, default set at 60 seconds
Lamp and Sensor	Clean and Calibration	✓	Lamp and PID sensor cleaned and calibrated
PCB	Operation	✓	Unit is fully functional
Firmware	Version	✓	v2.20A

Instrument Readings					
Parameter	Calibration Gas	Concentration	Reference No.	Zero Reading	Span Reading
PID (10.6eV)	Isobutylene	100 ppm	24-1835	0 ppm	100.1 ppm

Declaration

WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using gases of known concentrations.

Calibrated By	William Pak
Calibration Date	15/10/2024
Calibration Due	15/04/2025

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Certificate of Service and Calibration

Gas Detector

MiniRAE 3000

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	William Pak
Instrument	MiniRAE 3000 (PGM 7320)
Serial Number	592-926775
Client Name	Steven Drysdale, Hugh Selby, Logan Roy (Smec)
Project Number	30013573

Instrument Check			
Item	Test	Test Passed	Comments
Li-Ion Rechargeable Battery	Battery Charge and Drain	✓	Unit runs for > 8 hours on a full charge
Charger and Power Supply	Operation/Check	✓	No damage
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Pump	Flow Check	✓	Flow rate > 0.5 L/min
Monitor Housing	Condition/Check	✓	No damage
Rubber Boot	Check	✓	Clean, no damage
Flexi Probe	Condition/Check	✓	No leaks, no damage
Water Trap Filter	Visual Check	✓	Clean
Alarms	Audible, Visual, Vibration Check	✓	All modes of alarms are functional
Data Logger	Operation	✓	Unit records data, default set at 60 seconds
Lamp and Sensor	Clean and Calibration	✓	Lamp and PID sensor cleaned and calibrated
PCB	Operation	✓	Unit is fully functional
Firmware	Version	✓	v2.20A

Instrument Readings					
Parameter	Calibration Gas	Concentration	Reference No.	Zero Reading	Span Reading
PID (10.6eV)	Isobutylene	100 ppm	24-2275	0 ppm	100.1 ppm

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using gases of known concentrations.

Calibrated By	William Pak
Calibration Date	12/06/2025
Calibration Due	12/12/2025

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Certificate of Service and Calibration

Water Quality Meter

TPS WP-80 pH Meter

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	William Pak
Instrument	TPS WP-80 pH Meter
Serial Number	7535604/7539273
Client Name	Steven Drysdale (SMEC)
Project Number	30013573
Comments	-

Instrument Check			
Item	Test	Test Passed	Comments
Li-Ion Battery	Battery Menu	✓	Reading 90%+
Battery Saver Function	Operation	✓	Automatically turns off after 60 minutes if idle
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Connection Port and Cable	Condition/Check	✓	Clean, no damage
Monitor Housing	Condition/Check	✓	No damage

Instrument Readings						
Parameter	Standard Used	Reference No.	Calibration Value	Observed	Actual	Units
Temperature	Centre 370 Thermometer	Room Temp.	15.8	14.8	15.8	°C
pH	pH 4.00	386466	4.01	4.04	4.01	pH
pH	pH 7.00	387329	7.00	7.12	7.00	pH

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using solutions of known values.

Calibrated By	William Pak
Calibration Date	17/06/2025
Calibration Due	17/12/2025

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Certificate of Service and Calibration

Gas Detector

GA5000

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	William Pak
Instrument	Geotech GA5000 Landfill Gas Analyser
Serial Number	G507839
Client Name	Steven Drysdale, Hugh Selby, Logan Roy (Smec)
Project Number	30013573

Instrument Check			
Item	Test	Test Passed	Comments
Li-Ion Rechargeable Battery	Battery Charge and Drain	✓	Unit runs for > 8 hours on a full charge
Charger	Operation/Check	✓	No damage
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Pump	Flow Check	✓	Flow rate > 0.5 L/min
Monitor Housing	Condition/Check	✓	No damage
Water Trap Filter	Visual Check	✓	Clean
Alarms	Audible, Visual, Vibration Check	✓	All modes of alarms are functional
Data Logger	Operation	✓	Unit records data, default set at 60 seconds
Sensors	Calibration	✓	Calibrated and conforms to manufacturer's specs
PCB	Operation	✓	Unit is fully functional
Firmware	Version	✓	Firmware up to date

Instrument Readings					
Parameter	Calibration Gas	Concentration	Reference No.	Zero Reading	Span Reading
O_2	Fresh Air	20.9%	Fresh Air	20.9%	20.9%
O_2	Nitrogen	99.99%	WO253126-26	20.9%	0.0%
CH_4	Methane	60%	5479-1-1	0%	60%
CH_4	Methane	500ppm	WO290490-1	0%	500ppm
CO	Carbon Monoxide	100 ppm	WO309272-3	0 ppm	100 ppm
H_2S	Hydrogen Sulfide	25 ppm	WO312620-1	0 ppm	25 ppm
CO_2	Carbon Dioxide	40%	5521-1-12	0%	40%

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using gases of known concentrations.

Calibrated By	William Pak
Calibration Date	19/05/2025
Calibration Due	19/11/2026

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Appendix H

Subsurface Gas Monitoring Results

Lord Howe Island Waste Management Facilitiy Gas Sub-surface Monitoring Results

Date:	4/07/2025	8/07/2025	10/07/2025
Time period:	14:30 - 15:30	8:30 - 9:15	8:00 - 10:15
Weather Conditions observed:	Cloudy with wind	Cloudy with wind	Cloudy with wind
Weather station:	Windy Point	Windy Point	Windy Point
Barometric pressure	1013 hPa	1014 hPa	1011 hPa
Wind speed	37 km/h	35 km/h	35 km/ph

Location ID	Date	Time sampled	Methane (CH4, %v/v)		Carbon Dioxide (CO2, %v/v)		Oxygen (O2, %v/v) (stable)	Carbon Monoxide (CO, ppm)	Hydrogen Sulphide (H2S, ppm)	Relative Pressure (mB)	Internal Flow (L/h)
			Peak	Stable	Peak	Stable					
WMFSV01	4/07/2025	14:39	0	0	5.0	2.9	20.7	0	0	0	0
WMFSV02	4/07/2025	14:57	0	0	1.6	1.6	23.4	0	0	0.25	0
WMFSV03	4/07/2025	15:13	0.1	0	8.5	8.1	11.9	0	0	0.02	0
WMFSV01	8/07/2025	8:33	0	0	2.3	2.3	18.1	0	0	-0.04	0
WMFSV02	8/07/2025	8:49	0.1	0	1.7	1.6	20.1	0	0	0.07	0
WMFSV03	8/07/2025	9:04	0	0	4.8	4.4	17.9	0	0	0.04	-0.1 - 0
WMFSV01	10/07/2025	8:07	0	0	2.0	2.0	17.9	0	0	0.03	0
WMFSV02	10/07/2025	9:15	0.1	0	1.6	1.6	22.4	0	0	0.11	0
WMFSV03	10/07/2025	10:04	0	0	4.6	4.4	18	0	0	0.04	0

Appendix I

Photographic Log

Field Site Notes

Inspection Details

Inspection Name	Lord Howe Island DSI - Photolog 1 (Mobilisation 1)
Inspection ID	30013573 - 1
Inspector	ED
Date	2024-10-22
Time	08:08
General Photos	

General Comments

Notes

Location	Reference	Comment	Photos
-31.54045, 159.07606	TP01		1 - 6
-31.54061, 159.07610	TP02		7 - 13
-31.54059, 159.07600	TP03		14 - 20
-31.54050, 159.07585	TP04		21 - 31
	TP05		32 - 36
-31.54068, 159.07575	TP06		37 - 56
-31.54070, 159.07572	TP07		57 - 66
-31.54070, 159.07562	TP08		67 - 73
-31.54061, 159.07564	TP09		74 - 79
-31.54063, 159.07567	TP10		80 - 87
-31.54030, 159.07551	TP11		88 - 98
-31.54026, 159.07573	TP12		99 - 106
-31.54003, 159.07559	TP13		107 - 110
-31.53996, 159.07560	TP14		111 - 113
-31.54008, 159.07541	TP15		114 - 123
-31.53982, 159.07545	TP16		124 - 131
-31.53996, 159.07542	TP17		132 - 137
-31.53992, 159.07533	TP18		138 - 145
-31.53988, 159.07531	TP19		146 - 153
-31.53981, 159.07511	TP20		154 - 164
-31.53991, 159.07491	TP21		165 - 173
-31.53978, 159.07471	TP22		174 - 179
-31.53956, 159.07453	TP23		180 - 186
-31.53939, 159.07445	TP24		187 - 195
-31.53934, 159.07455	TP25		196 - 201
-31.53935, 159.07463	TP26		202 - 210
-31.53948, 159.07471	TP27		211 - 222
-31.53962, 159.07497	TP29		223 - 230
-31.53974, 159.07514	TP30		231 - 236

Location	Reference	Comment	Photos
-31.54012, 159.07548	TP31		237 - 242
-31.53961, 159.07459	TP32		243 - 252
-31.53947, 159.07451	TP33		253 - 257
-31.53938, 159.07456	TP34		258 - 265
-31.53922, 159.07462	TP35		266 - 269
-31.53971, 159.07466	TP36		270 - 276
-31.53930, 159.07453	TP37		277 - 281

Photo 1	
Timestamp	24/10/2024, 9:27:40 am
Location	-31.54048, 159.07608
Reference	TP01
Comment	



Photo 2	
Timestamp	24/10/2024, 9:27:51 am
Location	-31.54045, 159.07607
Reference	TP01
Comment	



Photo 3	
Timestamp	24/10/2024, 9:27:58 am
Location	-31.54046, 159.07606
Reference	TP01
Comment	



Photo 4	
Timestamp	24/10/2024, 9:28:04 am
Location	-31.54047, 159.07605
Reference	TP01
Comment	



Photo 5	
Timestamp	24/10/2024, 9:35:39 am
Location	-31.54046, 159.07607
Reference	TP01
Comment	



Photo 6	
Timestamp	24/10/2024, 9:37:11 am
Location	-31.54046, 159.07606
Reference	TP01
Comment	



Photo 7	
Timestamp	24/10/2024, 9:08:52 am
Location	-31.54063, 159.07613
Reference	TP02
Comment	



Photo 8	
Timestamp	24/10/2024, 9:08:58 am
Location	-31.54065, 159.07611
Reference	TP02
Comment	



Photo 9	
Timestamp	24/10/2024, 9:09:05 am
Location	-31.54065, 159.07612
Reference	TP02
Comment	



Photo 10	
Timestamp	24/10/2024, 9:09:11 am
Location	-31.54065, 159.07611
Reference	TP02
Comment	



Photo 11	
Timestamp	24/10/2024, 9:11:19 am
Location	-31.54062, 159.07608
Reference	TP02
Comment	



Photo 12	
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Location	-31.54062, 159.07608
Reference	TP02
Comment	



Photo 13	
Timestamp	24/10/2024, 9:15:22 am
Location	-31.54062, 159.07608
Reference	TP02
Comment	



Photo 14	
Timestamp	24/10/2024, 9:46:32 am
Location	-31.54060, 159.07597
Reference	TP03
Comment	



Photo 15	
Timestamp	24/10/2024, 9:46:43 am
Location	-31.54058, 159.07601
Reference	TP03
Comment	



Photo 16	
Timestamp	24/10/2024, 9:46:55 am
Location	-31.54060, 159.07598
Reference	TP03
Comment	



Photo 17	
Timestamp	24/10/2024, 9:49:03 am
Location	-31.54059, 159.07597
Reference	TP03
Comment	



Photo 18	
Timestamp	24/10/2024, 9:51:45 am
Location	-31.54057, 159.07597
Reference	TP03
Comment	



Photo 19	
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Location	-31.54056, 159.07600
Reference	TP03
Comment	



Photo 20	
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Location	-31.54058, 159.07599
Reference	TP03
Comment	



Photo 21	
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Location	-31.54046, 159.07586
Reference	TP04
Comment	



Photo 22	
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Location	-31.54046, 159.07587
Reference	TP04
Comment	



Photo 23	
Timestamp	24/10/2024, 11:26:27 am
Location	-31.54046, 159.07585
Reference	TP04
Comment	



Photo 24	
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Location	-31.54046, 159.07585
Reference	TP04
Comment	



Photo 25	
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Location	-31.54045, 159.07588
Reference	TP04
Comment	



Photo 26	
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Location	-31.54046, 159.07587
Reference	TP04
Comment	



Photo 27	
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Location	-31.54048, 159.07586
Reference	TP04
Comment	



Photo 28	
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Location	-31.54048, 159.07586
Reference	TP04
Comment	



Photo 29	
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Reference	TP04
Comment	



Photo 30	
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Location	-31.54048, 159.07586
Reference	TP04
Comment	



Photo 31	
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Location	-31.54048, 159.07586
Reference	TP04
Comment	



Photo 32	
Timestamp	24/10/2024, 3:41:26 pm
Location	-31.53996, 159.07556
Reference	TP05
Comment	



Photo 33	
Timestamp	24/10/2024, 11:11:23 am
Location	-31.54065, 159.07597
Reference	TP05
Comment	



Photo 34	
Timestamp	24/10/2024, 11:11:11 am
Location	-31.54069, 159.07599
Reference	TP05
Comment	



Photo 35	
Timestamp	24/10/2024, 11:11:02 am
Location	-31.54067, 159.07597
Reference	TP05
Comment	



Photo 36	
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Location	-31.54066, 159.07599
Reference	TP05
Comment	



Photo 37	
Timestamp	24/10/2024, 5:54:19 pm
Location	-31.54066, 159.07575
Reference	TP06
Comment	



Photo 38	
Timestamp	24/10/2024, 5:54:23 pm
Location	-31.54067, 159.07575
Reference	TP06
Comment	



Photo 39	
Timestamp	24/10/2024, 5:56:22 pm
Location	-31.54067, 159.07576
Reference	TP06
Comment	



Photo 40	
Timestamp	24/10/2024, 6:01:37 pm
Location	-31.54063, 159.07567
Reference	TP06
Comment	



Photo 41	
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Location	-31.54063, 159.07567
Reference	TP06
Comment	



Photo 42	
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Location	-31.54063, 159.07567
Reference	TP06
Comment	



Photo 43	
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Location	-31.54063, 159.07567
Reference	TP06
Comment	



Photo 44	
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Reference	TP06
Comment	



Photo 45	
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Photo 46	
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Reference	TP06
Comment	



Photo 47	
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Reference	TP06
Comment	



Photo 48	
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Reference	TP06
Comment	



Photo 49	
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Reference	TP06
Comment	



Photo 50	
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Reference	TP06
Comment	



Photo 51	
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Reference	TP06
Comment	



Photo 52	
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Location	-31.54063, 159.07567
Reference	TP06
Comment	



Photo 53	
Timestamp	24/10/2024, 6:12:22 pm
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Reference	TP06
Comment	



Photo 54	
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Location	-31.54063, 159.07567
Reference	TP06
Comment	



Photo 55	
Timestamp	24/10/2024, 6:14:28 pm
Location	-31.54063, 159.07567
Reference	TP06
Comment	



Photo 56	
Timestamp	24/10/2024, 6:15:42 pm
Location	-31.54068, 159.07575
Reference	TP06
Comment	



Photo 57	
Timestamp	24/10/2024, 5:05:43 pm
Location	-31.54071, 159.07568
Reference	TP07
Comment	



Photo 58	
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Location	-31.54074, 159.07569
Reference	TP07
Comment	



Photo 59	
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Location	-31.54073, 159.07569
Reference	TP07
Comment	



Photo 60	
Timestamp	24/10/2024, 5:16:15 pm
Location	-31.54073, 159.07568
Reference	TP07
Comment	



Photo 61	
Timestamp	24/10/2024, 5:17:27 pm
Location	-31.54072, 159.07569
Reference	TP07
Comment	



Photo 62	
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Location	-31.54073, 159.07568
Reference	TP07
Comment	



Photo 63	
Timestamp	24/10/2024, 5:23:10 pm
Location	-31.54072, 159.07569
Reference	TP07
Comment	



Photo 64	
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Location	-31.54073, 159.07567
Reference	TP07
Comment	



Photo 65	
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Location	-31.54073, 159.07568
Reference	TP07
Comment	



Photo 66	
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Location	-31.54071, 159.07572
Reference	TP07
Comment	



Photo 67	
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Reference	TP08
Comment	



Photo 68	
Timestamp	24/10/2024, 4:42:22 pm
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Reference	TP08
Comment	



Photo 69	
Timestamp	24/10/2024, 4:42:33 pm
Location	-31.54068, 159.07558
Reference	TP08
Comment	



Photo 70	
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Location	-31.54067, 159.07558
Reference	TP08
Comment	



Photo 71	
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Reference	TP08
Comment	



Photo 72	
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Location	-31.54066, 159.07560
Reference	TP08
Comment	



Photo 73	
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Reference	TP08
Comment	



Photo 74	
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Reference	TP09
Comment	



Photo 75	
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Location	-31.54060, 159.07556
Reference	TP09
Comment	



Photo 76	
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Reference	TP09
Comment	



Photo 77	
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Reference	TP09
Comment	



Photo 78	
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Photo 79	
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Reference	TP09
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Photo 80	
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Reference	TP10
Comment	



Photo 81	
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Reference	TP10
Comment	



Photo 82	
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Reference	TP10
Comment	



Photo 83	
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Location	-31.54062, 159.07565
Reference	TP10
Comment	



Photo 84	
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Reference	TP10
Comment	



Photo 85	
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Reference	TP10
Comment	



Photo 86	
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Location	-31.54061, 159.07567
Reference	TP10
Comment	



Photo 87	
Timestamp	24/10/2024, 6:53:27 pm
Location	-31.54061, 159.07569
Reference	TP10
Comment	



Photo 88	
Timestamp	24/10/2024, 12:15:46 pm
Location	-31.54032, 159.07551
Reference	TP11
Comment	



Photo 89	
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Reference	TP11
Comment	



Photo 90	
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Reference	TP11
Comment	



Photo 91	
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Location	-31.54029, 159.07549
Reference	TP11
Comment	



Photo 92	
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Location	-31.54035, 159.07552
Reference	TP11
Comment	



Photo 93	
Timestamp	24/10/2024, 12:24:23 pm
Location	-31.54035, 159.07552
Reference	TP11
Comment	



Photo 94	
Timestamp	24/10/2024, 12:25:26 pm
Location	-31.54035, 159.07552
Reference	TP11
Comment	



Photo 95	
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Location	-31.54035, 159.07552
Reference	TP11
Comment	



Photo 96	
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Reference	TP11
Comment	



Photo 97	
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Location	-31.54035, 159.07552
Reference	TP11
Comment	



Photo 98	
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Location	-31.54035, 159.07552
Reference	TP11
Comment	



Photo 99	
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Location	-31.54027, 159.07573
Reference	TP12
Comment	



Photo 100	
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Location	-31.54026, 159.07571
Reference	TP12
Comment	



Photo 101	
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Reference	TP12
Comment	



Photo 102	
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Location	-31.54025, 159.07573
Reference	TP12
Comment	



Photo 103	
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Location	-31.54025, 159.07573
Reference	TP12
Comment	



Photo 104	
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Location	-31.54025, 159.07573
Reference	TP12
Comment	



Photo 105	
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Location	-31.54025, 159.07573
Reference	TP12
Comment	



Photo 106	
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Location	-31.54025, 159.07573
Reference	TP12
Comment	



Photo 107	
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Location	-31.54005, 159.07561
Reference	TP13
Comment	



Photo 108	
Timestamp	24/10/2024, 3:12:12 pm
Location	-31.54004, 159.07556
Reference	TP13
Comment	



Photo 109	
Timestamp	24/10/2024, 3:12:19 pm
Location	-31.54003, 159.07562
Reference	TP13
Comment	



Photo 110	
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Location	-31.54004, 159.07559
Reference	TP13
Comment	



Photo 111	
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Location	-31.53994, 159.07558
Reference	TP14
Comment	



Photo 112	
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Reference	TP14
Comment	



Photo 113	
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Reference	TP14
Comment	



Photo 114	
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Reference	TP15
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Photo 115	
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Reference	TP15
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Photo 116	
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Photo 117	
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Reference	TP15
Comment	



Photo 118	
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Reference	TP15
Comment	



Photo 119	
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Reference	TP15
Comment	



Photo 120	
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Reference	TP15
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Photo 121	
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Comment	



Photo 122	
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Reference	TP15
Comment	



Photo 123	
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Reference	TP15
Comment	



Photo 124	
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Reference	TP16
Comment	



Photo 125	
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Location	-31.53979, 159.07551
Reference	TP16
Comment	



Photo 126	
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Location	-31.53984, 159.07546
Reference	TP16
Comment	



Photo 127	
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Location	-31.53980, 159.07549
Reference	TP16
Comment	



Photo 128	
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Reference	TP16
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Photo 129	
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Photo 130	
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Reference	TP16
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Photo 131	
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Reference	TP16
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Photo 132	
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Comment	



Photo 133	
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Photo 134	
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Photo 135	
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Comment	



Photo 136	
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Comment	



Photo 137	
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Reference	TP17
Comment	



Photo 138	
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Comment	



Photo 139	
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Photo 140	
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Photo 141	
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Comment	



Photo 142	
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Photo 143	
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Reference	TP18
Comment	



Photo 144	
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Reference	TP18
Comment	



Photo 145	
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Reference	TP18
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Photo 146	
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Photo 147	
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Reference	TP19
Comment	



Photo 148	
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Reference	TP19
Comment	



Photo 149	
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Reference	TP19
Comment	



Photo 150	
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Reference	TP19
Comment	



Photo 151	
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Reference	TP19
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Photo 152	
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Reference	TP19
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Photo 153	
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Photo 154	
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Comment	



Photo 155	
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Photo 156	
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Reference	TP20
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Photo 157	
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Photo 158	
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Photo 159	
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Photo 160	
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Photo 161	
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Reference	TP20
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Photo 162	
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Reference	TP20
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Photo 163	
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Photo 164	
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Reference	TP20
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Photo 165	
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Photo 166	
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Reference	TP21
Comment	



Photo 167	
Timestamp	23/10/2024, 9:01:39 am
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Reference	TP21
Comment	



Photo 168	
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Reference	TP21
Comment	



Photo 169	
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Reference	TP21
Comment	



Photo 170	
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Reference	TP21
Comment	



Photo 171	
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Reference	TP21
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Photo 172	
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Comment	



Photo 173	
Timestamp	23/10/2024, 9:09:34 am
Location	-31.53991, 159.07490
Reference	TP21
Comment	



Photo 174	
Timestamp	23/10/2024, 9:48:39 am
Location	-31.53974, 159.07471
Reference	TP22
Comment	



Photo 175	
Timestamp	23/10/2024, 9:49:10 am
Location	-31.53976, 159.07469
Reference	TP22
Comment	



Photo 176	
Timestamp	23/10/2024, 9:49:46 am
Location	-31.53974, 159.07470
Reference	TP22
Comment	



Photo 177	
Timestamp	23/10/2024, 9:56:45 am
Location	-31.53976, 159.07468
Reference	TP22
Comment	



Photo 178	
Timestamp	23/10/2024, 10:01:29 am
Location	-31.53976, 159.07468
Reference	TP22
Comment	



Photo 179	
Timestamp	23/10/2024, 10:16:26 am
Location	-31.53976, 159.07468
Reference	TP22
Comment	



Photo 180	
Timestamp	23/10/2024, 11:09:59 am
Location	-31.53956, 159.07453
Reference	TP23
Comment	



Photo 181	
Timestamp	23/10/2024, 11:10:08 am
Location	-31.53956, 159.07452
Reference	TP23
Comment	



Photo 182	
Timestamp	23/10/2024, 11:10:55 am
Location	-31.53954, 159.07452
Reference	TP23
Comment	



Photo 183	
Timestamp	23/10/2024, 11:29:48 am
Location	-31.53956, 159.07456
Reference	TP23
Comment	



Photo 184	
Timestamp	23/10/2024, 11:29:55 am
Location	-31.53956, 159.07456
Reference	TP23
Comment	



Photo 185	
Timestamp	23/10/2024, 11:33:01 am
Location	-31.53956, 159.07456
Reference	TP23
Comment	



Photo 186	
Timestamp	23/10/2024, 11:33:06 am
Location	-31.53956, 159.07456
Reference	TP23
Comment	



Photo 187	
Timestamp	22/10/2024, 8:16:02 am
Location	-31.53939, 159.07445
Reference	TP24
Comment	



Photo 188	
Timestamp	22/10/2024, 8:16:10 am
Location	-31.53938, 159.07446
Reference	TP24
Comment	



Photo 189	
Timestamp	22/10/2024, 8:16:20 am
Location	-31.53938, 159.07444
Reference	TP24
Comment	



Photo 190	
Timestamp	22/10/2024, 8:16:31 am
Location	-31.53938, 159.07446
Reference	TP24
Comment	



Photo 191	
Timestamp	22/10/2024, 8:16:40 am
Location	-31.53939, 159.07446
Reference	TP24
Comment	



Photo 192	
Timestamp	22/10/2024, 8:16:55 am
Location	-31.53939, 159.07446
Reference	TP24
Comment	



Photo 193	
Timestamp	22/10/2024, 8:35:10 am
Location	-31.53939, 159.07445
Reference	TP24
Comment	



Photo 194	
Timestamp	22/10/2024, 8:35:17 am
Location	-31.53936, 159.07446
Reference	TP24
Comment	



Photo 195	
Timestamp	22/10/2024, 8:35:37 am
Location	-31.53939, 159.07445
Reference	TP24
Comment	



Photo 196	
Timestamp	22/10/2024, 8:59:08 am
Location	-31.53929, 159.07453
Reference	TP25
Comment	



Photo 197	
Timestamp	22/10/2024, 9:16:45 am
Location	-31.53933, 159.07452
Reference	TP25
Comment	



Photo 198	
Timestamp	22/10/2024, 9:16:54 am
Location	-31.53933, 159.07452
Reference	TP25
Comment	



Photo 199	
Timestamp	22/10/2024, 9:17:10 am
Location	-31.53933, 159.07452
Reference	TP25
Comment	



Photo 200	
Timestamp	22/10/2024, 9:17:22 am
Location	-31.53933, 159.07452
Reference	TP25
Comment	



Photo 201	
Timestamp	22/10/2024, 9:18:23 am
Location	-31.53933, 159.07452
Reference	TP25
Comment	



Photo 202	
Timestamp	22/10/2024, 10:37:59 am
Location	-31.53932, 159.07467
Reference	TP26
Comment	



Photo 203	
Timestamp	22/10/2024, 10:38:05 am
Location	-31.53933, 159.07468
Reference	TP26
Comment	



Photo 204	
Timestamp	22/10/2024, 10:44:39 am
Location	-31.53936, 159.07467
Reference	TP26
Comment	



Photo 205	
Timestamp	22/10/2024, 10:45:00 am
Location	-31.53936, 159.07467
Reference	TP26
Comment	



Photo 206	
Timestamp	22/10/2024, 10:45:09 am
Location	-31.53936, 159.07467
Reference	TP26
Comment	



Photo 207	
Timestamp	22/10/2024, 10:45:16 am
Location	-31.53936, 159.07467
Reference	TP26
Comment	



Photo 208	
Timestamp	22/10/2024, 10:45:55 am
Location	-31.53936, 159.07467
Reference	TP26
Comment	



Photo 209	
Timestamp	22/10/2024, 10:49:26 am
Location	-31.53936, 159.07467
Reference	TP26
Comment	



Photo 210	
Timestamp	22/10/2024, 10:55:29 am
Location	-31.53936, 159.07467
Reference	TP26
Comment	



Photo 211	
Timestamp	22/10/2024, 11:18:33 am
Location	-31.53948, 159.07473
Reference	TP27
Comment	



Photo 212	
Timestamp	22/10/2024, 11:19:34 am
Location	-31.53946, 159.07472
Reference	TP27
Comment	



Photo 213	
Timestamp	22/10/2024, 11:19:48 am
Location	-31.53946, 159.07472
Reference	TP27
Comment	



Photo 214	
Timestamp	22/10/2024, 11:20:17 am
Location	-31.53948, 159.07471
Reference	TP27
Comment	



Photo 215	
Timestamp	22/10/2024, 11:21:43 am
Location	-31.53949, 159.07472
Reference	TP27
Comment	



Photo 216	
Timestamp	22/10/2024, 11:27:48 am
Location	-31.53951, 159.07472
Reference	TP27
Comment	



Photo 217	
Timestamp	22/10/2024, 11:28:00 am
Location	-31.53951, 159.07472
Reference	TP27
Comment	



Photo 218	
Timestamp	22/10/2024, 11:28:34 am
Location	-31.53951, 159.07472
Reference	TP27
Comment	



Photo 219	
Timestamp	22/10/2024, 11:28:42 am
Location	-31.53951, 159.07472
Reference	TP27
Comment	



Photo 220	
Timestamp	22/10/2024, 11:31:33 am
Location	-31.53951, 159.07472
Reference	TP27
Comment	



Photo 221	
Timestamp	22/10/2024, 11:47:25 am
Location	-31.53951, 159.07472
Reference	TP27
Comment	



Photo 222	
Timestamp	22/10/2024, 11:47:40 am
Location	-31.53949, 159.07471
Reference	TP27
Comment	



Photo 223	
Timestamp	22/10/2024, 12:14:09 pm
Location	-31.53960, 159.07491
Reference	TP29
Comment	



Photo 224	
Timestamp	22/10/2024, 12:14:40 pm
Location	-31.53958, 159.07493
Reference	TP29
Comment	



Photo 225	
Timestamp	22/10/2024, 12:16:51 pm
Location	-31.53961, 159.07491
Reference	TP29
Comment	



Photo 226	
Timestamp	22/10/2024, 12:26:42 pm
Location	-31.53958, 159.07494
Reference	TP29
Comment	



Photo 227	
Timestamp	22/10/2024, 12:26:53 pm
Location	-31.53958, 159.07493
Reference	TP29
Comment	



Photo 228	
Timestamp	22/10/2024, 12:27:02 pm
Location	-31.53959, 159.07494
Reference	TP29
Comment	



Photo 229	
Timestamp	22/10/2024, 12:27:23 pm
Location	-31.53960, 159.07492
Reference	TP29
Comment	



Photo 230	
Timestamp	22/10/2024, 12:27:30 pm
Location	-31.53959, 159.07491
Reference	TP29
Comment	



Photo 231	
Timestamp	22/10/2024, 1:48:02 pm
Location	-31.53974, 159.07513
Reference	TP30
Comment	



Photo 232	
Timestamp	22/10/2024, 1:48:10 pm
Location	-31.53975, 159.07512
Reference	TP30
Comment	



Photo 233	
Timestamp	22/10/2024, 1:49:31 pm
Location	-31.53973, 159.07512
Reference	TP30
Comment	



Photo 234	
Timestamp	22/10/2024, 1:49:54 pm
Location	-31.53976, 159.07516
Reference	TP30
Comment	



Photo 235	
Timestamp	22/10/2024, 1:56:45 pm
Location	-31.53978, 159.07516
Reference	TP30
Comment	



Photo 236	
Timestamp	22/10/2024, 1:59:19 pm
Location	-31.53978, 159.07516
Reference	TP30
Comment	



Photo 237	
Timestamp	23/10/2024, 12:16:41 pm
Location	-31.54015, 159.07543
Reference	TP31
Comment	



Photo 238	
Timestamp	23/10/2024, 12:17:13 pm
Location	-31.54011, 159.07545
Reference	TP31
Comment	



Photo 239	
Timestamp	23/10/2024, 12:17:28 pm
Location	-31.54014, 159.07545
Reference	TP31
Comment	



Photo 240	
Timestamp	23/10/2024, 12:26:44 pm
Location	-31.54015, 159.07545
Reference	TP31
Comment	



Photo 241	
Timestamp	23/10/2024, 12:26:51 pm
Location	-31.54014, 159.07542
Reference	TP31
Comment	



Photo 242	
Timestamp	23/10/2024, 12:27:00 pm
Location	-31.54015, 159.07543
Reference	TP31
Comment	



Photo 243	
Timestamp	25/10/2024, 11:35:24 am
Location	-31.53961, 159.07462
Reference	TP32
Comment	



Photo 244	
Timestamp	25/10/2024, 11:35:33 am
Location	-31.53961, 159.07460
Reference	TP32
Comment	



Photo 245	
Timestamp	25/10/2024, 11:38:25 am
Location	-31.53960, 159.07462
Reference	TP32
Comment	



Photo 246	
Timestamp	25/10/2024, 11:39:06 am
Location	-31.53960, 159.07460
Reference	TP32
Comment	



Photo 247	
Timestamp	25/10/2024, 11:39:42 am
Location	-31.53962, 159.07461
Reference	TP32
Comment	



Photo 248	
Timestamp	25/10/2024, 11:45:02 am
Location	-31.53962, 159.07459
Reference	TP32
Comment	



Photo 249	
Timestamp	25/10/2024, 11:50:56 am
Location	-31.53962, 159.07461
Reference	TP32
Comment	



Photo 250	
Timestamp	25/10/2024, 11:53:16 am
Location	-31.53962, 159.07461
Reference	TP32
Comment	



Photo 251	
Timestamp	25/10/2024, 11:55:19 am
Location	-31.53962, 159.07461
Reference	TP32
Comment	



Photo 252	
Timestamp	25/10/2024, 11:55:30 am
Location	-31.53962, 159.07461
Reference	TP32
Comment	



Photo 253	
Timestamp	25/10/2024, 11:13:48 am
Location	-31.54021, 159.07549
Reference	TP33
Comment	



Photo 254	
Timestamp	25/10/2024, 11:13:59 am
Location	-31.54021, 159.07549
Reference	TP33
Comment	



Photo 255	
Timestamp	25/10/2024, 11:21:04 am
Location	-31.54021, 159.07549
Reference	TP33
Comment	



Photo 256	
Timestamp	25/10/2024, 11:21:14 am
Location	-31.54021, 159.07549
Reference	TP33
Comment	



Photo 257	
Timestamp	25/10/2024, 11:21:22 am
Location	-31.54021, 159.07549
Reference	TP33
Comment	



Photo 258	
Timestamp	25/10/2024, 9:32:13 am
Location	-31.53937, 159.07447
Reference	TP34
Comment	



Photo 259	
Timestamp	25/10/2024, 9:32:28 am
Location	-31.53936, 159.07447
Reference	TP34
Comment	



Photo 260	
Timestamp	25/10/2024, 9:35:37 am
Location	-31.53935, 159.07443
Reference	TP34
Comment	



Photo 261	
Timestamp	25/10/2024, 9:36:47 am
Location	-31.53935, 159.07444
Reference	TP34
Comment	



Photo 262	
Timestamp	25/10/2024, 9:37:55 am
Location	-31.53936, 159.07445
Reference	TP34
Comment	



Photo 263	
Timestamp	25/10/2024, 9:38:09 am
Location	-31.53935, 159.07444
Reference	TP34
Comment	



Photo 264	
Timestamp	25/10/2024, 9:42:56 am
Location	-31.53934, 159.07444
Reference	TP34
Comment	



Photo 265	
Timestamp	25/10/2024, 9:43:16 am
Location	-31.53935, 159.07445
Reference	TP34
Comment	



Photo 266	
Timestamp	25/10/2024, 8:58:34 am
Location	-31.54012, 159.07550
Reference	TP35
Comment	



Photo 267	
Timestamp	25/10/2024, 8:59:09 am
Location	-31.54012, 159.07550
Reference	TP35
Comment	



Photo 268	
Timestamp	25/10/2024, 9:17:26 am
Location	-31.54012, 159.07550
Reference	TP35
Comment	



Photo 269	
Timestamp	25/10/2024, 9:17:35 am
Location	-31.54012, 159.07550
Reference	TP35
Comment	



Photo 270	
Timestamp	25/10/2024, 1:08:36 pm
Location	-31.53974, 159.07470
Reference	TP36
Comment	



Photo 271	
Timestamp	25/10/2024, 1:09:06 pm
Location	-31.53971, 159.07468
Reference	TP36
Comment	



Photo 272	
Timestamp	25/10/2024, 1:10:40 pm
Location	-31.53972, 159.07469
Reference	TP36
Comment	



Photo 273	
Timestamp	25/10/2024, 1:11:39 pm
Location	-31.53972, 159.07469
Reference	TP36
Comment	



Photo 274	
Timestamp	25/10/2024, 1:17:09 pm
Location	-31.53972, 159.07469
Reference	TP36
Comment	



Photo 275	
Timestamp	25/10/2024, 1:18:07 pm
Location	-31.53972, 159.07469
Reference	TP36
Comment	



Photo 276	
Timestamp	25/10/2024, 1:19:58 pm
Location	-31.53972, 159.07469
Reference	TP36
Comment	



Photo 277	
Timestamp	25/10/2024, 1:49:30 pm
Location	-31.53936, 159.07448
Reference	TP37
Comment	



Photo 278	
Timestamp	25/10/2024, 1:51:22 pm
Location	-31.53935, 159.07449
Reference	TP37
Comment	



Photo 279	
Timestamp	25/10/2024, 1:52:21 pm
Location	-31.53934, 159.07448
Reference	TP37
Comment	



Photo 280	
Timestamp	25/10/2024, 1:53:03 pm
Location	-31.53935, 159.07447
Reference	TP37
Comment	



Photo 281	
Timestamp	25/10/2024, 1:59:37 pm
Location	-31.53935, 159.07447
Reference	TP37
Comment	



Field Site Notes

Inspection Details

Inspection Name	Lord Howe Island DSI - Photolog 2 (mobilisation 2)
Inspection ID	30013573 - 2
Inspector	JP
Date	2025-06-30
Time	06:54
General Photos	

General Comments

Notes

Location	Reference	Comment	Photos
-31.53936, 159.07457	BH10/GMW03/SV03		1 - 4
-31.53955, 159.07481	BH09		5 - 9
-31.53991, 159.07531	BH08		
-31.53991, 159.07531	BH07		10 - 13
-31.54024, 159.07550	BH05		14 - 18
-31.54027, 159.07548	BH11		19 - 21
-31.54027, 159.07553	BH04		22 - 25
-31.54043, 159.07578	BH02		26
-31.54065, 159.07587	BH03		27
-31.54059, 159.07573	BH01		28 - 32
-31.53941, 159.07472	BH12		
-31.53932, 159.07464	R01		33 - 35
-31.53984, 159.07523	RO2		36 - 37
-31.54045, 159.07586	R03		38

Photo 1	
Timestamp	30/06/2025, 8:47:29 am
Location	-31.53940, 159.07456
Reference	BH10/GMW03/SV03
Comment	
Caption	0.0-1.2



Photo 2	
Timestamp	30/06/2025, 9:54:58 am
Location	-31.53938, 159.07458
Reference	BH10/GMW03/SV03
Comment	



Photo 3	
Timestamp	30/06/2025, 9:54:58 am
Location	-31.53939, 159.07456
Reference	BH10/GMW03/SV03
Comment	



Photo 4	
Timestamp	30/06/2025, 11:45:36 am
Location	-31.53936, 159.07457
Reference	BH10/GMW03/SV03
Comment	



Photo 5	
Timestamp	30/06/2025, 1:19:16 pm
Location	-31.53952, 159.07484
Reference	BH09
Comment	



Photo 6	
Timestamp	30/06/2025, 1:19:16 pm
Location	-31.53953, 159.07484
Reference	BH09
Comment	



Photo 7	
Timestamp	30/06/2025, 1:19:16 pm
Location	-31.53953, 159.07484
Reference	BH09
Comment	



Photo 8	
Timestamp	30/06/2025, 1:21:47 pm
Location	-31.53953, 159.07482
Reference	BH09
Comment	



Photo 9	
Timestamp	30/06/2025, 1:21:47 pm
Location	-31.53935, 159.07465
Reference	BH09
Comment	



Photo 10	
Timestamp	30/06/2025, 2:09:28 pm
Location	-31.53990, 159.07530
Reference	BH07
Comment	



Photo 11	
Timestamp	30/06/2025, 2:09:28 pm
Location	-31.53989, 159.07530
Reference	BH07
Comment	



Photo 12	
Timestamp	30/06/2025, 2:19:03 pm
Location	-31.53992, 159.07523
Reference	BH07
Comment	



Photo 13	
Timestamp	30/06/2025, 2:34:18 pm
Location	-31.53991, 159.07530
Reference	BH07
Comment	



Photo 14	
Timestamp	01/07/2025, 8:34:25 am
Location	-31.54024, 159.07549
Reference	BH05
Comment	
Caption	1.2



Photo 15	
Timestamp	01/07/2025, 8:37:34 am
Location	-31.54037, 159.07537
Reference	BH05
Comment	



Photo 16	
Timestamp	01/07/2025, 8:37:34 am
Location	-31.54031, 159.07551
Reference	BH05
Comment	



Photo 17	
Timestamp	01/07/2025, 8:40:12 am
Location	-31.54030, 159.07539
Reference	BH05
Comment	
Caption	GW



Photo 18	
Timestamp	01/07/2025, 8:44:50 am
Location	-31.54022, 159.07548
Reference	BH05
Comment	



Photo 19	
Timestamp	01/07/2025, 10:24:44 am
Location	-31.54028, 159.07830
Reference	BH11
Comment	



Photo 20	
Timestamp	01/07/2025, 10:26:46 am
Location	-31.54025, 159.07550
Reference	BH11
Comment	



Photo 21	
Timestamp	01/07/2025, 10:29:31 am
Location	-31.54024, 159.07548
Reference	BH11
Comment	



Photo 22	
Timestamp	01/07/2025, 11:14:00 am
Location	-31.54025, 159.07557
Reference	BH04
Comment	



Photo 23	
Timestamp	01/07/2025, 11:19:41 am
Location	-31.54026, 159.07562
Reference	BH04
Comment	



Photo 24	
Timestamp	01/07/2025, 11:27:10 am
Location	-31.54026, 159.07562
Reference	BH04
Comment	



Photo 25	
Timestamp	01/07/2025, 11:27:10 am
Location	-31.54025, 159.07561
Reference	BH04
Comment	



Photo 26	
Timestamp	02/07/2025, 8:05:58 am
Location	-31.54042, 159.07577
Reference	BH02
Comment	



Photo 27	
Timestamp	03/07/2025, 7:59:04 am
Location	-31.54061, 159.07587
Reference	BH03
Comment	



Photo 28	
Timestamp	02/07/2025, 10:49:22 am
Location	-31.54064, 159.07573
Reference	BH01
Comment	



Photo 29	
Timestamp	02/07/2025, 10:52:34 am
Location	-31.54065, 159.07572
Reference	BH01
Comment	
Caption	0.0-0.6



Photo 30	
Timestamp	02/07/2025, 10:55:56 am
Location	-31.54066, 159.07575
Reference	BH01
Comment	



Photo 31	
Timestamp	02/07/2025, 11:11:43 am
Location	-31.54064, 159.07574
Reference	BH01
Comment	



Photo 32	
Timestamp	02/07/2025, 11:43:16 am
Location	-31.54063, 159.07571
Reference	BH01
Comment	



Photo 33	
Timestamp	03/07/2025, 7:59:30 am
Location	-31.53937, 159.07466
Reference	R01
Comment	



Photo 34	
Timestamp	03/07/2025, 8:12:08 am
Location	-31.53934, 159.07469
Reference	R01
Comment	



Photo 35	
Timestamp	03/07/2025, 8:12:08 am
Location	-31.53937, 159.07467
Reference	R01
Comment	



Photo 36	
Timestamp	03/07/2025, 10:34:08 am
Location	-31.53978, 159.07526
Reference	RO2
Comment	



Photo 37	
Timestamp	03/07/2025, 10:34:08 am
Location	-31.53978, 159.07525
Reference	RO2
Comment	



Photo 38	
Timestamp	03/07/2025, 10:52:55 am
Location	-31.54046, 159.07580
Reference	R03
Comment	

