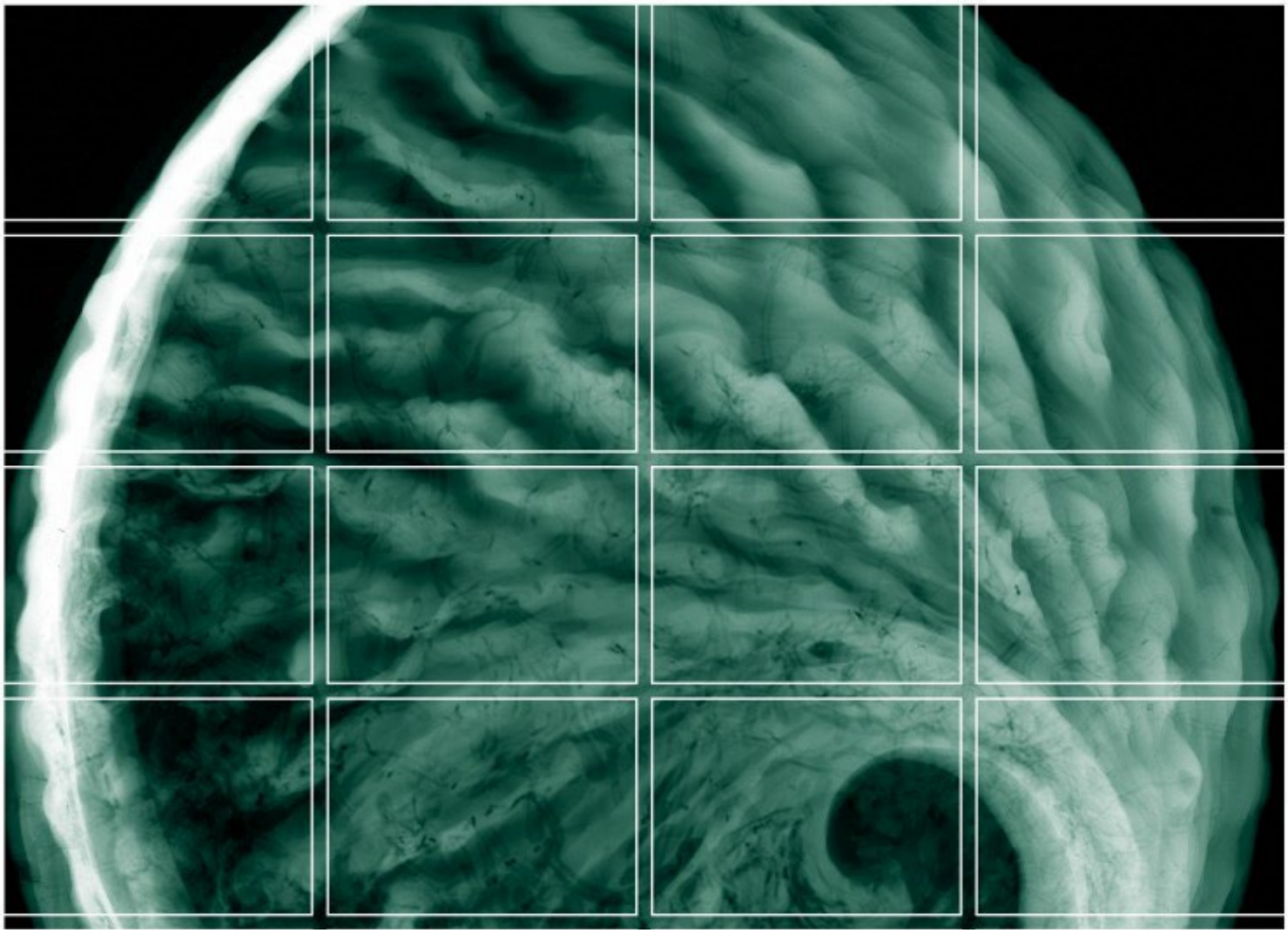

Western Parkland City Authority

Detailed Site Investigation

First Building Area Bradfield City Centre, NSW

1 April 2022

Project No.: 0571466

The business of sustainability

ERM

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Signature Page

1 April 2022

Detailed Site Investigation

First Building Area Bradfield City Centre, NSW

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Acronyms and Abbreviations

Acronym	Definition
ACM	Asbestos Containing Materials
AFFF	Aqueous Film Forming Foam
AHD	Australian Height Datum
AMG	Australian Map Grid
AS	Australian Standard
BTEX	Benzene, toluene, ethylbenzene and xylene
COC	Chain of Custody
CoPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
DQI	Data Quality Indicator
DQO	Data Quality Objectives
DP	Deposited Plan
EPA	Environment Protection Authority (NSW)
EIL	Ecological Investigation Level
ESL	Ecological Screening Level
GPS	Global Positioning System
ha	Hectare
HIL	Health-Based Investigation Level
HSL	Health Screening Level

Acronym	Definition
IBC	Intermediate Bulk Container
LOR	Limit Of Reporting
m	metre
m AHD	metres Australian Height Datum
m bgl	metres below ground level
m btoc	metres below top of casing
MGA	Map Grid of Australia
NATA	National Association of Testing Authorities
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NEMP	National Environment Management Plan
PAH	Polycyclic Aromatic Hydrocarbons
PFAS	Per and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFHxS	Perfluorohexane sulfonate
PFOS	Perfluorooctane Sulfonate
PID	Photo Ionisation Detector
ppm	parts per million
QA / QC	Quality Assurance / Quality Control
RPD	Relative Percentage Difference
SAQP	Sampling and Analysis Quality Plan
SVOC	Semi Volatile Organic Compounds
TOPA	Total Oxidisable Precursor Assay
TPH	Total Petroleum Hydrocarbons
TRH	Total Recoverable Hydrocarbons
TfNSW	Transport for New South Wales
VOC	Volatile Organic Compounds
WPCA	Western Parkland City Authority

EXECUTIVE SUMMARY

Environmental Resources Management Australia Pty Ltd (ERM) was engaged by the Western Parkland City Authority (WPCA, the client) to conduct a Detailed Site Investigation (DSI) of the site identified as the First Building Development within the Bradfield development area, located at 215 Badgerys Creek Road, Bringelly NSW (the Site).

ERM undertook a Preliminary Site Investigation (PSI) in June 2021 to refine the understanding surrounding potential contamination associated with recent and historical land use practices undertaken within the Site and surrounding area that may require consideration during future redevelopment works.

Based on information reviewed as part of the PSI, ERM considered there may be a potential risk to human health and / or sensitive ecological receptors associated with a number of current and historical land use practices undertaken within the Site and surrounding area and recommended the completion of a Detailed Site Investigation (DSI) to further assess the potential for soil and / or groundwater contamination to be present.

This DSI was undertaken in general accordance with the Site Auditor approved ERM (2021) Sampling and Analysis Quality Plan (SAQP) which was developed to describe the required Data Quality Objectives (DQOs) and field investigation methods for undertaking this DSI.

The overall objective of the DSI was to assess the potential existence and distribution / extent of contamination in soil, sediments, surface water, and groundwater and to identify potential remediation / site management requirements to enable subsequent redevelopment works at the Site.

Results of the DSI indicated the following:

- Fill materials were observed to extend to a maximum depth of 0.2 metres below ground level (m bgl). During investigation works, no evidence of staining / odours or anthropogenic inclusions such as bricks, rubble, potential Asbestos Containing Material (ACM) etc. was noted within fill materials. Based on the consistent depth of fill and the identified nature and extent of fill material within the site it is the opinion of ERM that there is a low risk of significant burials of uncontrolled fill materials within the Site.
- Service conduits were identified during investigation works within portions of the Site as identified in Figure 4. During investigation works, no visual indicators of ACM conduits was observed and fill material surrounding service lines was observed to be free from anthropogenic contamination including potential ACM. It is noted however that during development of the site a Construction Environmental Management Plan (CEMP) including an unexpected finds plan will be required to manage any potential unexpected finds during removal of site wide former service conduits.
- Natural materials were generally encountered at surface or at depths ranging between 0.1 and 0.2 m bgl in locations with identified overlying fill. Natural materials were generally comprised of brown and red clays with occasional grey / orange inclusions, varying in stiffness and plasticity to a depth of approximately 2.5 m bgl overlying fine-grained interbedded sandstone and shale bedrock with clay bands to the maximum depth of investigation works. During investigation works, no evidence of staining / odours were identified within natural materials. Analytical results of collected soil samples returned concentrations of Contaminants of Potential Concern (CoPCs) less than the laboratory Limits of Reporting (LOR) and / or the adopted assessment criteria within all collected samples with the exception of heavy metals which were identified to exceed the adopted Ecological Investigation Levels (EILs) within several samples of fill and natural material. Based on the nature and extent of these minor exceedances and the proposed future land uses within the Site, it is considered that these minor and isolated exceedances of EILs are unlikely to pose a risk of harm to the current / future land uses within the Site.

- ERM notes that Per and Polyfluoroalkyl Substances (PFAS) were identified within sample TP01_0.1 slightly above the laboratory LOR. Analysis of samples collected from underlying materials within TP01reported concentrations below the laboratory LOR. ERM further notes that PFAS were not identified within soil samples collected from any other location or within collected groundwater samples. As such it is the opinion of ERM that this minor detection of PFAS within surface soils is not indicative of significant / widespread PFAS contamination that requires further assessment.
- Sediment samples collected during investigation works from onsite drainage lines / overland flow paths were noted to be comprised of fine grained silty, sandy clays. During investigation works, no evidence of anthropogenic contamination such as odours / staining were noted. Laboratory analysis of collected sediment samples, returned concentrations of CoPCs less than the laboratory LOR and / or the adopted assessment criteria indicating there is a low risk of CoPCs migrating via surface water flows throughout the Site. ERM notes that at the time of the DSI, no surface water was present within the Site, however the collected sediment samples are considered to be a good indication of potential impact arising from surface water flows within the Site during periods of high rainfall.
- Groundwater was identified within the Site at depths ranging from 6.466 m btoc (MW06) to 8.861 m btoc (MW03). During groundwater sampling works, no indication of sheen, odours or other visual / olfactory indicators of contamination were noted.
    - As works are being undertaken concurrently with investigation works within the wider Bradfield site area, at the time of this report a survey of groundwater levels has not been completed as part of this investigation and will be provided as an addendum to this report. It is however noted that as concentrations of all CoPCs were less than LOR and / or the adopted assessment criteria within all collected groundwater samples, that the risk of contamination migrating through groundwater and impacting on/off site receptors is considered to be low
- Analytical results of collected groundwater samples returned concentrations of CoPCs less than the laboratory LOR and / or the adopted assessment criteria within all collected samples with the exception of minor exceedances of drinking water / ANZG freshwater criteria for heavy metals. Based on identified heavy metals within soils and site conditions observed during completion of this DSI, the identified slightly elevated heavy metals within groundwater are likely representative of natural background conditions and are not indicative of anthropogenic contamination that requires further assessment.
    - ERM notes that minor TRH concentrations above the laboratory LOR were identified within MW01 and MW03. As no evidence of anthropogenic hydrocarbon contamination was identified during drilling and / or groundwater gauging works, the samples were re-analysed utilising a silica gel clean-up. Following re-analysis, all TRH concentrations were reported less than the laboratory LOR indicating that the identified low concentrations of TRH are likely associated with natural organic sources and not indicative of anthropogenic contamination.

Based on field observations made during site investigations works, results of collected soil, groundwater and sediment samples and in consideration of the updated CSM presented within Section 8, therefore ERM consider that the site is suitable for the proposed commercial / industrial development.

Prior to the commencement of construction works, ERM recommends that a Construction Environmental Management Plan (CEMP) including an Unexpected Finds Protocol should be implemented to manage the potential for unexpected finds of fill materials and potential ACM (including services / conduits) to be encountered during earthworks.

1. INTRODUCTION AND OBJECTIVES

1.1 Introduction

Environmental Resources Management Australia Pty Ltd (ERM) was engaged by the Western Parkland City Authority (WPCA, the client) to conduct a Detailed Site Investigation (DSI) of the site identified as the First Building Development within the Bradfield development area, located at 215 Badgerys Creek Road, Bringelly NSW (the Site).

- The Site is located within the north-western portion of Lot 10 in Deposited Plan (DP) 1235662 which forms part of the broader Bradfield site as illustrated in **Figure 1**. The current layout of the site and surrounds is presented in **Figure 2**.

1.2 Background

ERM undertook a Preliminary Site Investigation (PSI) in June 2021 of the Commonwealth Land and immediately adjacent lands (as summarised in Section 3.0).

The objective of the PSI was to refine the understanding of potential contamination resulting from current and historical land use practices undertaken within the Commonwealth Land and surrounding area and to aid WPCA in assessing potential liabilities that may require consideration during future redevelopment works.

Based on information reviewed as part of the PSI, ERM considered there were potential risk to human health and / or sensitive ecological receptors associated with a number of current and historical land use practices undertaken within the Commonwealth Land and in the surrounding area. ERM therefore recommended the completion of a Detailed Site Investigation (DSI) to further assess the potential for soil and / or groundwater contamination to be present.

This DSI was undertaken in general accordance with ERM (2021) Sampling and Analysis Quality Plan (SAQP) which was developed to describe the required Data Quality Objectives (DQOs) and field investigation methods for undertaking this DSI.

1.3 Project Objectives

The overall objectives of the DSI were to assess the potential distribution / extent of contamination in soil, groundwater, sediments and surface water and identify potential remediation / site management requirements to enable subsequent redevelopment works at the Site.

1.4 Scope of Works

To achieve the objectives outlined above, ERM completed the general requirements set out in the SAQP (ERM July 2021).

- project preliminaries including preparation of a site specific Health and Safety Plan (HaSP) and completion of subsurface utility clearance requirements;
- soil investigation works including:
  - completion of 65 test pit locations to assess potential contamination within onsite soils and gain a more detailed understanding of the potential nature and distribution of fill material;
- groundwater investigation works including:
  - the installation of 6 groundwater monitoring wells to a maximum depth of 16.1 m bgl;
  - undertake a groundwater monitoring event (GME) including the gauging and sampling of 6 newly installed wells in February 2022;

- surface water and sediment investigation works including:
  - the collection of 4 sediment samples from onsite drainage lines and overland flow paths;
  - ERM notes that no surface water was present within the site boundary during completion of investigation works and as such no surface water samples were collected as part of this DSI;
- submission of collected soil, groundwater, surface water and sediment samples to a laboratory NATA accredited for the required analysis; and
- preparation of this investigation report.

1.5 Regulatory Requirements

This DSI was developed with consideration to the relevant elements of the following regulatory guidelines and standards.

- ANZAST (2018). Australian and New Zealand Guidelines for Fresh and Marine Water Quality. (ANZG);
- Australian Standard (2005). AS 4482.1 2005, Guide to the Investigation and Sampling of Sites with Potentially Contaminated Soil, Part 2: Non-volatile and Semi-volatile compounds;
- Australian Standard (1999). AS 4482.2 1999, Guide to the Sampling and Investigation of Potentially Contaminated Soil, Part 2: Volatile Substances;
- Heads of Environment Protection Authority (2020). PFAS National Environmental Management Plan. This is hereafter referred to as ‘the NEMP, 2020’;
- National Environment Protection Council (2013). National Environment Protection (Assessment of Site Contamination) Measure 1999. This is hereafter referred to as ‘the ASC NEPM;
- National Health and Medical Research Council (2008). Guidelines for Managing Risks in Recreational Waters;
- National Health and Medical Research Council (2011). Australian Drinking Water Guidelines ADWG [updated August 2018];
- National Health and Medical Research Council/National Resource Management Ministerial Council, Commonwealth of Australia, Canberra (2011). Australian drinking water guidelines paper 6 national water quality management strategy;
- NSW Environment Protection Authority (EPA) Sampling Design Guidelines (1995);
- NSW EPA Guidelines for the NSW Site Auditor Scheme (3rd edition (2017);
- NSW EPA, Consultants Reporting on Contaminated Land, Contaminated Sites Guidelines (2020);
- WA Department of Health (2009). Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia;
- Interim Guideline on the Assessment and Management of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS), WA Department of Environment Regulation (2017); and
- Perfluorinated Chemicals in Food, Food Standards Australia and New Zealand (2017). This is hereafter referred to as ‘FSANZ’.

1.6 Limitations

This report was prepared in accordance with the scope of work outlined within this report and subject to the applicable cost, time and other constraints. ERM performed the services in a manner consistent with the normal level of care and expertise exercised by members of the environmental profession. ERM makes no warranty concerning the suitability of the Site for any purpose or the permissibility of any use, development or re-development of the Site.

Except as otherwise stated, ERM's assessment is limited strictly to identifying specified environmental conditions associated with the subject Site and does not evaluate structural conditions of any buildings on the subject Site. Lack of identification in the report of any hazardous or toxic materials on the subject Site should not be interpreted as a guarantee that such materials do not exist on the Site.

This assessment is based on Site inspection conducted by ERM personnel, sampling and analyses described in the report, and information provided by WPCA or other people with knowledge of the Site conditions. All conclusions and recommendations made in the report are the professional opinions of the ERM personnel involved with the project and, while normal checking of the accuracy of data has been conducted, ERM assumes no responsibility or liability for errors in data obtained from such sources, regulatory agencies or any other external sources, nor from occurrences outside the scope of this project.

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2. SITE BACKGROUND INFORMATION

2.1 Site Identification

Site identification information is presented in the table below

Table 2.1 Site Identification Details

Item	Description
Site Address	215 Badgerys Creek Road, Bringelly NSW 2556
Lot and Deposited Plan	Part Lot 10 in DP1235662
Local Government Area	City of Liverpool Council
Zoning	ENT – Enterprise.
Site Area	Approximately 7.7 hectares (ha)
Geographic Co-ordinates	Site boundary co-ordinates are listed in Figure 2

2.2 Site Setting

The following sections summarise the information obtained during the site background and history review.

- A copy of relevant database search results is provided in Appendix C within the ERM (2021) PSI.

Table 2.2 Site Identification Details

Item	Description
Current land-use	The Site forms part of the larger lot (Lot 10) acquired by the Commonwealth in 1959 for use as the Royal Australian Air Force (RAAF) Bringelly Radio Receiving Station (the 'Commonwealth land'). ■ The Site subject to this investigation is comprised of vacant grassed land with a sealed roadway on the western boundary and an unsealed roadway bisecting the northern portion. ■ The area immediately adjacent to the western portion and south eastern portion of the Commonwealth land is currently utilised for low density / semi-rural residential dwellings.
Surrounding Land use	The land uses surrounding the Site include: ■ **North:** Directly north of the Site is agricultural land followed by low density / semi-rural residence (approximately 290 m north of the Site). Residential properties are located approximately 550 m north of the Site and beyond. ■ **South:** The area located directly to the south of the Site is identified as the Commonwealth Land, as described within the ERM (2021) PSI. This is comprised of undeveloped grassed land and the central compound area formerly utilised by the Department of Defence. The Commonwealth land covers an area of approximately 112 ha (excluding the Site). The central compound area comprises a number of building structures associated with the radio receiving facility including chemical storage areas and Underground Fuel Storage Tanks. Further details of this portion of the Site are provided within previous investigations (summarised in Section 3). Following the Commonwealth Land is a strip of vegetation followed by Thompsons Creek located approximately 40 m south of the boundary of the Commonwealth land. Approximately 65 m south of the boundary of the Commonwealth land is an unknown facility which appears to be under construction. Approximately 460 m southeast of the Commonwealth land is a rural residential property. Further rural residential properties are present beyond this.

Item	Description
	■ **East:** Open space associated with the Commonwealth Land followed by Thompsons Creek which runs along the majority of the eastern border of the Commonwealth Land beyond which is The Retreat Road located approximately 115 m to the east. Residential properties are located approximately 150 m to the east and beyond. ■ **West:** Directly west of the Site are residential properties which extend for approximately 500 m and beyond.
Site Elevation	■ The Site elevation ranges from 81 m Australian Height Datum (AHD) within the south eastern portion of the Site to approximately 85 m AHD within the north western portion of the Site.
Topography	■ Information obtained from both desktop searches and previous site inspections indicates that the site generally slopes towards the south / south east. ■ Topography within the surrounding area is variable with gentle / undulating slopes generally in a south easterly direction.
Hydrology	■ The nearest surface water body to the Site is Moore Gully which crosses the western boundary of the Commonwealth Land and enters Thompsons Creek at the eastern boundary of the Commonwealth Land. Two unnamed ephemeral drainage lines are indicated on site mapping to flow from Thomson's Creek into the Site, however at the time of these works, all ephemeral drainage lines were dry and free from standing water. ■ Thompsons Creek is a South Creek tributary with the confluence between the two creeks occurring approximately 1.3 km north-east of the Site.
Geology, Soils and Acid Sulfate Soils	■ The Penrith 1:100,000 Geological Mapping Sheet identifies the underlying geology as Bringelly Shale and is described as shale, carbonaceous claystone, claystone, laminite, fine to medium grained lithic sandstone, rare coal and tuff from the Middle Triassic age. ■ The soil landscape of the Site is described as ridge and valley country of gently undulating ridge tops and steep side slopes often with slumping and rounded hilly to steep hilly areas and relatively narrow valleys. Chief soils are hard acidic red soils (with hard acidic yellow mottled soils in places some ironstone gravels occur in both these soils. Associated are hard neutral and alkaline red soils and in saddles and some mid-slope positions soils, usually in depressions; and small areas of undescribed soils in wet soaks and valley areas. Small areas of other soils are likely throughout. ■ According to the Atlas of Australian Acid Sulfate Soils (ASS), ASS onsite and within the search buffer have an extremely low probability of occurrence. There is a 1-5% chance of occurrence with occurrences in small localised areas.
Hydrogeology	■ Previous investigations undertaken within the Commonwealth Land by ERM in 2021 (summarised in Section 4) identified groundwater at variable depths ranging from approximately 2.5 m bgl to 13 m bgl within underlying fractured shale bedrock (Bringelly Shale). ■ A search of registered groundwater bores within a 2 km buffer from the Site identified eight registered groundwater bores. ■ Two of these bores were reported to be drilled for domestic / stock purposes, three were reported to be drilled for monitoring purposes, one for domestic / industrial / stock purposes and one for domestic purposes. ■ Aquifers onsite and within the buffer area are described as porous, extensive aquifers of low to moderate productivity. ERM notes that groundwater within the marine derived Bringelly Shale is often saline and may be unsuitable for beneficial uses.

2.3 Site History and Background Information

A detailed summary of site history and background information for the broader Commonwealth Land is presented within Section 7.0 of the ERM (2021) PSI. A brief summary of the ERM (2021) PSI (including site history) as it relates to the Site is presented within Section 3 below.

3. PREVIOUS INVESTIGATIONS

ERM undertook this assessment in consideration of information presented within the following previous reports:

- ERM (2021) *Aerotropolis Core Precinct, Review of Contamination Issues*, 17th June 2021 Ref No 0571466 (ERM 2021);
- ERM (2021) Aerotropolis Core Precinct Targeted Site Investigation, 21st May 2021 (ERM 2021a); and
- ERM (2021) *Aerotropolis Core Precinct, Priority Area 1 Sampling and Analysis Quality Plan*, 6th July 2021 Ref No 0571466 (ERM 2021b).

To inform the preparation of the above documents, ERM undertook a review of the following previous reports relevant to the Site, a summary of which is presented within Section 6.0 of the ERM (2020) PSI.

- Environmental Resources Management Pty Ltd (2011) RAAF Bringelly Receiving Station NSW, Heritage Assessment, 18 April 2011 (ERM 2011);
- GHD (2011) Department of Defence Support Group, Bringelly RAAF Receiving Station, Infrastructure Assessment Report, April 2011 (GHD 2011);
- Golder Associates (2011) Detailed Site Investigation, Former RAAF Bringelly Receiving Station, October 2011 (Golder 2011);
- Golder Associates (2011a) Hazardous Building Materials Assessment, Former RAAF Bringelly Receiving Station, April 2011 (Golder 2011);
- Sweett Group Pty Ltd (2011) Bringelly RAAF Receiving Station, Bringelly, NSW. Stage 1 Overarching Report – Summary Outcomes of Due Diligence Investigations, August 2011 (Sweett 2011);
- GTek Pty Ltd (2011) Post Activity Report Unexploded Ordnance (UXO) Consultancy Services RAAF Receiving Station Site Bringelly, NSW, 13th January 2011 (GTek 2011);
- Golder Associates (2014) Remedial Action Plan, Former RAAF Bringelly Receiving Station, April 2014 (Golder 2014);
- Deloitte Pty Ltd (2015) Defence Housing Australia Bringelly RAAF Receiving Station, 13th March 2015 (Deloitte 2015);
- Western Environmental Pty Ltd (2019) 215 Badgerys Creek Road, Bringelly, NSW, Detailed Site Investigation Report, 12 December 2019 (Western Environmental 2019);
- Thuroona Services Pty Ltd (2019) Cost Estimate Report - 215 Badgerys Creek Road, Bringelly, NSW, 24 December 2019 (Thuroona 2019);
- Arup Australia Pty Ltd (2020) Sydney Metro Greater West Technical Paper 7: Groundwater, 4th June 2020 (Arup 2020);
- M2A Pty Ltd (2020) Sydney Metro Greater West Technical Paper 6: Flooding, Hydrology and Water Quality (M2A 2020);
- M2A Pty Ltd (2020) Sydney Metro Greater West Technical paper 8: Contamination (M2A 2020a)
- Aerocon Australia Pty Ltd (2020) Western Sydney Aerotropolis Constraints and Land Capability Assessment – Stage 1 Report, September 2020 (Aurecon 2020); and
- Sydney Water Pty Ltd (2020), Aerotropolis Initial Precincts Stormwater and Water Cycle Management Study Interim Report, September 2020 (Sydney Water 2020).

ERM (2021) PSI

ERM was engaged by WPCA to undertake a PSI of the Aerotropolis Core Precinct. The PSI was undertaken to assist in the development of a master plan being prepared by the WPCA.

The objective of the PSI was to undertake a review of previously identified contamination issues and refine the current understanding of site conditions to aid WPCA in assessing potential liabilities and constraints associated with site contamination that may require consideration during master planning and subsequent development works.

Information provided to ERM as part of the PSI indicated that the current concept plan for the proposed redevelopment of the Aerotropolis Core Precinct included the following key features:

- The Moore Gully Billabongs, Thompson Park and a Waterfront Precinct located within the southern portion of the Aerotropolis Core;
- Educational facilities, a metro plaza, green gateways and sports fields located within the central portion of the Aerotropolis Core;
- Manufacturing / industrial lands, CSIRO facility, TAFE / multiversity and hotel located within the northern portion of the Aerotropolis Core; and
- Proposed landscaping which would include open water bodies for flood water storage / adaptive re-use, swimming and play area within the existing Moore Gully alignment and planted native vegetation throughout.

Scope of Works

To meet the project objective, ERM completed the following scope of works:

- Review of background information (previous investigations, relevant database searches); and
- Targeted groundwater, surface water and sediment sampling to aid in refining the understanding of potential PFAS impacts.

Discussion of Results

The Commonwealth Land and the Site are located within an area surrounded by rural residential, low density residential and commercial / industrial development. At the time of the PSI the land was largely vacant with the exception of former Defence infrastructure located within the central portion of the Commonwealth Land.

- Information from previous investigations indicated that the current Commonwealth lands were first granted to private owners by the Crown in 1818. From this time until 1957 the Commonwealth land underwent various ownerships and was utilized for agricultural purposes. In 1957 the land was transferred to the Commonwealth of Australia. The Commonwealth Land was used for Department of Defence purposes as a radar installation from 1957 until prior to 2005;
- Results from the desktop assessment indicated that the Site and Commonwealth Land are primarily underlain by the Bringelly Shale which is described as shale, carbonaceous claystone, claystone, laminite, fine to medium grained lithic sandstone, rare coal and tuff from the Middle Triassic age. Groundwater within the Commonwealth Land was identified during previous investigations and gauging undertaken as part of the PSI to be present at depths of approximately 2.5 – 7.5 metres below ground level (m bgl);

- Previous investigations identified a range of potential contamination issues in the Commonwealth Land that require remediation and / or site management including former fuel storage USTs and asbestos impacted fill located within stockpiled fill to the south of the main compound and within the vicinity of the former married quarters:
  - During the site inspection undertaken as part of the PSI, ERM noted the potential for additional fill material to be present within Moore Gully. Fill within this area was noted to contain bricks and other demolition wastes. ERM noted that, at that time, no samples had been collected from this material to assess the potential for contamination to be present;
- Analytical results from collected sediment, surface water and groundwater samples as part of the PSI, returned concentrations of PFAS compounds less than the laboratory Limit of Reporting (LOR) and / or the adopted assessment criteria with the exception of surface water samples SW2, SW8 and SW11 (located within the eastern portion of the Commonwealth Land). These samples returned results that exceeded the adopted drinking water criteria and the adopted 99% freshwater criteria for protection of aquatic ecosystems:
  - It was considered that the above results were generally consistent with previous investigations of PFAS undertaken as part of the Western Environmental (2020) investigation. While the specific source of PFAS was unclear, the results of the PSI sampling indicated the potential for PFAS to be migrating from offsite sources; and
  - ERM noted that further assessment of potential PFAS should be undertaken within the Commonwealth Land to assess the potential for historical sources of PFAS to be located within the main compound area (chemical storage area / firefighting system etc.).

As outlined within the preliminary Conceptual Site Model (CSM), ERM considered there may be a potential risk to human health and / or ecological receptors due to a number of potentially complete pollutant linkages identified by the PSI. Further investigation was therefore considered to be required to assess the potential risk to human health and sensitive ecological receptors.

- ERM recommended that a detailed site investigation (DSI) should be undertaken to assess the contamination status of the Aerotropolis core (including the Site), to further characterise volumes of fill materials i that may require management and / or remediation and aid in the planning for future development works (offsite disposal, site management requirements etc.).

ERM noted that the DSI should be undertaken in consideration of previous investigations undertaken within and the identified contaminants of potential concern (CoPCs) and include an assessment of soil, sediment, surface water and groundwater.

Based on the outcomes of the PSI, including the review of previous investigations, previous approved remediation plans and Site Audit Statements, it was considered that the Commonwealth Land could be made suitable for the proposed development following further investigations and completion of any subsequent required remedial / site management works.

ERM (2021a) TSI

ERM was engaged by WPCA to undertake a Targeted Site Investigation (TSI) of certain portions of the Commonwealth Land. This targeted investigation was undertaken specifically to further the understanding of potential key constraints to future development works, and to enable collection of additional data to supplement existing information relating PFAS throughout the Commonwealth Land and potential uncontrolled filling within a portion of Moore Gully

To achieve the above objectives, ERM undertook a TSI including the completion of a Ground Penetrating Radar (GPR) survey and test pitting within Moore Gully, and targeted soil, sediment and water sampling. The targeted sampling included the completion of shallow soil bores within overland flow paths located downgradient of the central compound area, installation of monitoring wells located on the periphery of the central compound area and the collection of surface water / sediment samples from offsite surface waters located adjacent to the Commonwealth Land.

Results of this investigation indicated the following:

- During investigation works, fill materials were generally observed to be comprised of brown – dark brown top soil materials containing a range of organic materials (roots etc.) to a maximum depth of 1.0 m below ground level (bgl) within Moore Gully and 0.2 – 0.5 m bgl within the central and eastern portions of the Commonwealth Land;
  - Photo-Ionisation Detector (PID) measurements collected during soil investigation works returned concentrations ranging from 0 – 1.7 parts per million by volume (ppm v) which were considered consistent with background conditions and not indicative of potential anthropogenic volatile contamination;
  - ERM noted that isolated anthropogenic inclusions (trace plastics etc.) were identified within fill materials encountered during excavations undertaken within Moore Gully;
  - During soil investigation works, no evidence of Asbestos Containing Materials (ACM) or other indicators of significant / widespread anthropogenic wastes were identified within the advanced test pits or soils bores;
- Natural materials were typically encountered at depths of 1.0 m bgl and comprised sandy silty clay (red brown, medium firm / medium plasticity) to the maximum depth of test pit excavation (2.0 m bgl) overlying natural shales to the maximum depth of investigation works (20.5 m bgl);
- Groundwater was identified at depths ranging from 5.545 m btoc (MW206) to 12.111 m btoc (MW202); and
- Surface water and sediment sampling indicated low levels of water present within adjacent accessible drainage lines. Where surface water was present field observations did not identify sheen / odour or other visual / olfactory indicators of anthropogenic contamination. Sediments were noted to be generally comprised of silty / sandy materials free from visual / olfactory indicators of anthropogenic contamination.

Laboratory analysis of collected samples returned concentrations of CoPCs less than LOR and or the adopted assessment criteria with the exception of the following:

- PFAS exceeding the adopted low density residential criteria within surface soils located on the eastern boundary of the site compound / TfNSW site (BH211); and
- Laboratory analysis of collected surface water / sediment samples returned concentrations less than the adopted assessment criteria with the exception of surface water sample SW-3 which exceeded the adopted 99% freshwater ecological criteria for PFOS (0.00002 ug/l).

ERM (2021b) SAQP

ERM was engaged by WPCA to prepare a Sampling and Analysis Quality Plan (SAQP) for the Site. The SAQP described the Data Quality Objectives (DQOs) and required investigation methodology for undertaking this DSI including sampling, analytical and reporting requirements.

3.1 Summary of Previously Identified Contamination

The following table summarises the occurrence and extent of contamination identified within the previous investigations reviewed by ERM.

Table 3.1 Summary of Previously Identified Contamination

Location	Area of Environmental Concern	Comment
Onsite – First Building Area	**Unexpected finds / buried waste / fill materials**	■ ERM notes the potential for additional fill materials to have been placed within the roadways or other burial areas located within the Site. ■ This area may require further assessment to assess the potential for site management / remediation requirements prior to the commencement of development.
	Potential Weed Spraying and General Site Area	■ Potential historical land uses may have included week spraying and other land uses to control weeds / pests within the Site ■ Concentrations of PFAS (specifically perfluorooctane sulfonate and perfluorohexane sulfonate - PFOS + PFHxS) in surface soils have been identified at low concentrations at various locations throughout the surrounding area and may be associated with surface run off from the surrounding central compound area.
	Asbestos service pits / conduits:	■ Onsite service pits / conduits require a survey to be completed to assess the potential for additional asbestos to be present which may require management and / or remediation to enable the Site to be suitable for the future proposed development.
Offsite (but within remainder of Commonwealth Land)	**Central Compound Fuel storage:**	■ Groundwater monitoring undertaken to date has not identified elevated hydrocarbons within groundwater wells located within the vicinity of existing USTs. ■ Reports indicate that fuel tanks still contain diesel / petrol products with the last investigation undertaken in 2011. ■ There is the potential for leaks of fuels to have occurred within the intervening period as tanks are unlikely to have been maintained during this period or assessed for loss / leaks. ■ Fill materials adjacent to USTs identified to be stained (green colouring) and containing hydrocarbon odours.
	Central Compound Hazardous building materials:	■ Hazardous materials identified within building structures require removal / management and may have impacted localised surrounding surface soils (through degrading materials) ■ Where buildings are to be demolished, removal of hazardous building materials as per relevant regulatory requirements (including validation of surrounding surface soils). Validation of successful removal and confirmation that additional impact to surface soils did not occur during removal works; and ■ Where buildings are to be retained, removal and / or management of identified hazardous materials as per relevant guidelines / standards. Where materials are to remain onsite, update and maintain hazardous materials register for all future users. Validation of surrounding soils may also be required to demonstrate suitability for the proposed development.

Location	Area of Environmental Concern	Comment
	Central Compound Septic tank	■ Previous investigation identified the presence of a septic tank within the central compound. While ERM notes that results from previous investigations did not identify concentrations of CoPCs to exceed screening criteria, as the septic tank was not targeted during investigation works, the potential exists for contamination of surrounding soils etc. to have occurred.
	Married Quarters - Identified asbestos surface impact	■ Previous investigations identified surficial asbestos within the vicinity of the former married quarters. ■ The identified asbestos impact may differ from distribution within Golder investigation. Potential for additional impact from degrading building structures etc. Fill was observed to 0.5 m bgl therefore potential exists for deeper asbestos materials to be present.
	Identified asbestos impacted stockpile:	■ Approximately 1600 m^3 of asbestos impacted fill has been identified within a stockpile located south of the administration building.
	General Area - PFAS	■ Concentrations of PFOS + PFHxS in soil exceed the screening risk criteria for residential land use at two surface soil locations near the chemical storage shed and USTs. ■ Concentrations of PFOS surface water samples exceeded the PFAS NEMP Freshwater 99% Species Protection criteria.
	Adjacent Residential Dwellings	■ ERM notes that residential blocks located adjacent to the Commonwealth land were not inspected during works. ■ The potential exists for contamination associated with residential land uses such as weed spraying, pesticides, fertilisers, septic tanks, etc., minor vehicle maintenance activities and degrading hazardous building materials (asbestos, lead paints etc). ■ This area may require further assessment to assess the potential for site management / remediation requirements prior to the commencement of development.
	Unexpected finds / buried waste / fill materials	■ ERM notes the potential for additional fill materials to have been placed within the gully located within the southern portion of the Commonwealth land. ■ This area may require further assessment to assess the potential for site management / remediation requirements prior to the commencement of development.

4. DATA QUALITY OBJECTIVES

Based on the preliminary CSM presented within Section 5 of the ERM (2021b) SAQP, the following Data Quality Objectives (DQOs) were developed for this investigation.

The Data Quality Objectives (DQOs) for this SAQP have been developed in accordance with the ASC NEPM and the Australian Standard *AS4482 Guide to the Sampling and Investigation of Potentially Contaminated Soil*

4.1 Step 1 – State the Problem

The ERM (2021) PSI identified a range of potentially contaminating historical land uses / activities in the Commonwealth Land and surrounding area, as such WPCA required a this DSI to be undertaken to assess the potential for contamination to be present that may require consideration prior tor or during redevelopment works.

4.2 Step 2 – Identify the Decisions

Based upon the objectives of the DSI the decisions required to meet the objectives of this DSI are discussed below:

- Are there any potential unacceptable risks to human health and / or ecological receptors from contaminants in surface water / sediments / fill / soil and / or groundwater?
- Is there any evidence of, or potential for, migration of contaminants from the Site?
- Is there any evidence of, or potential for, off-site migration of contaminants from adjacent sites onto the Site?
- Is there sufficient information on the distribution and characteristics of contaminated media across the site to evaluate risk of harm to human health and/or the environment and whether off-site migration of contamination may have occurred?
- Is there sufficient information to form an estimation of fill material volumes?
- Is management or remediation of contamination, if identified, required?
- Is there sufficient information on the distribution and characteristics of contaminated media across the Site to develop a Remediation Action Plan or Site Management Plan to (where necessary) remediate and / or manage site contamination?

4.3 Step 3 – Identify Information Inputs

The inputs to make the above decisions include:

- Information relating to the environmental setting of the Site and surrounding area obtained during preparation of the ERM (2021) PSI;
- Information obtained during review of previous investigations;
- Field observations made during intrusive investigation works;
- Laboratory analytical data of collected soil and groundwater samples;
- Field measurements collected during intrusive investigation and groundwater monitoring rounds;
- Screening-level assessment criteria from guidelines made or approved by the NSW EPA detailed within Section 0; and
- Confirmation of acceptable data quality by assessment of data quality assurance / quality control by comparison against Data Quality Indicators (DQI).

4.4 Step 4 – Define the Study Boundaries

The boundaries of the investigation are identified as follows:

- Spatial boundaries – the investigation is limited to the Site boundaries as illustrated within Figure 1 and the maximum depth of investigation at each location detailed within Section 5 of this report.
- Temporal boundaries – the temporal boundary is limited to the data collected during the completed investigation works. As such, seasonality was not assessed at this stage of the investigation.
- Constraints within the study boundaries – the following were limitations that required consideration within the development and implementation of the sampling strategy:
  - Access restrictions due to overlap with the Transport for NSW (TfNSW) works area boundary (refer Figure 2);
  - Access restrictions associated with construction activities within the northern portion of the Site;
  - Access restrictions associated with heritage items, site topography (gullies / drainages lines) and vegetation; and
  - The presence of underground and overhead utilities.

Sampling locations were identified within the ERM (2021b) SAQP in consideration of the above factors with some slight modification during investigation works as required to account for encountered site conditions.

4.5 Step 5 – Develop the Decision Rules

The decision rules adopted for this investigation are included in the table below:

Table 4.1 Data Quality Objectives – Decision Rules

Decision Required to be Made	Decision Rule
Is the data sufficient to address the objectives of the investigation?	■ Does the collected data indicate the potential for significant and widespread contamination arising from sources subject to this investigation? ■ Do field observations (including visual, olfactory, presence of anthropogenic materials in fill) indicate potential significant contamination at the investigation locations? ■ Do analytical data exceed adopted screening-level assessment criteria? ■ Is there sufficient information to estimate the volume of fill material contained onsite? ■ Have any additional areas of potential environmental concern been identified within investigations works?
Is the data generated by sampling and analysis of an acceptable quality?	■ Has the data collected been subjected to an assessment of quality assurance/quality control and found to be suitable for use in this assessment?
Does the Site contain soil / groundwater and surface water / sediment impacted by contamination resulting from historical land uses?	■ Collected soil and groundwater samples are to be analysed for CoPCs associated with current and historical land uses practices and results compared to relevant NSW EPA made or endorsed regulatory guideline criteria.
Is there evidence of significant widespread contamination?	■ Collection of representative soil and groundwater samples during site investigation works.

Decision Required to be Made	Decision Rule
Is additional information required to determine the potential liabilities/constraints associated with the proposed development?	■ If it is determined that additional information is required to further reduce the uncertainties associated with the distribution and characterisation of soil and / or groundwater contamination, then appropriate recommendations for further assessment and/or investigation (including for assessment of potential risks) will be provided.
Is there sufficient information to form an estimation of fill material volumes?	■ Has natural material been encountered within all sampling locations to provide clarity on the vertical extent of fill materials within the Site? ■ Does the adopted sampling density provide sufficient site coverage to enable the assessment of the lateral extent of fill throughout the Site boundary?
Is there sufficient information to develop a remedial / site management strategy	■ Do the results of the investigation provide sufficient information of the nature, distribution and risk to identified receptors of contamination within soil and groundwater? If no, additional investigation may be required,

4.6 Step 6 – Specify Limits of Decision Error

This step establishes the decision maker's tolerable limits on decision errors, which provide performance goals for limiting uncertainty in the data. Data generated during this project must be appropriate to allow decisions to be made with confidence.

Specific limits for this project have been adopted in accordance with the appropriate guidance from the HEPA (2020) NEMP and the ASC NEPM appropriate data quality indicators (DQIs) used to assess data quality assurance / quality control (QA / QC) and standard ERM procedures for field sampling and sample handling.

To assess the usability of the data prior to making decisions, the data will be assessed against pre-determined DQIs for precision, accuracy, representativeness, comparability and completeness.

The pre-determined DQIs established for the project are discussed below in relation to precision, accuracy, representativeness, comparability, completeness and sensitivity.

- **Precision** – measures the reproducibility of measurements under a given set of conditions. The precision of the laboratory data and sampling techniques is assessed by calculating the Relative Percent Difference (RPD) of duplicate samples.
- **Accuracy** – measures the bias in a measurement system. The accuracy of the laboratory data that are generated during this project is a measure of the closeness of the analytical results obtained by a method to the 'true' value. Accuracy is assessed by reference to the analytical results of laboratory control samples, laboratory spikes and analyses against reference standards.
- **Representativeness** – expresses the degree with which sample data accurately and precisely represent a characteristic of a population or an environmental condition. Representativeness is achieved by collecting samples on a representative basis across the site, and by using an adequate number of sample locations to characterise the site to the required accuracy.
- **Comparability** – expresses the confidence with which one data set can be compared with another. This is achieved through maintaining a level of consistency in sampling techniques, analytical techniques and reporting methods.
- **Completeness** – is defined as the percentage of measurements made which are judged to be valid measurements. The completeness goal is set at there being sufficient valid data generated during the study.
- **Sensitivity** – expresses the appropriateness of the chosen laboratory methods, including the limits of reporting, in producing reliable data in relation to the adopted assessment criteria.

If any of the DQIs are not met, further assessment will be necessary to assess whether the non-conformance will significantly affect the usefulness of the data. Corrective actions may include requesting further information from samplers and/or analytical laboratories, downgrading of the quality of the data or alternatively, re-collection of the data. DQIs are provided the table below.

Table 4.2 Data Quality Objectives – Limits of Decision Error

Data Quality Objectives	Frequency	Data Quality Indicator
Precision		
Blind duplicates (intra laboratory)	■ 1/20 samples (or 1/10 for PFAS)	■ <30% RPD where result is >10 times LOR
Blind duplicates (inter laboratory)	■ 1/20 samples (or 1/10 for PFAS)	■ <30% RPD where result is >10 times LOR
Accuracy		
Surrogate spikes	■ All organic samples	■ 70-130%
Laboratory control samples	■ 1 per lab batch	■ 70-130%
Matrix spikes	■ 1 per lab batch	■ 70-130% ■ Lower recoveries may be acceptable for OCPs, OPPs, PCBs and phenols and will be assessed according to USEPA protocols.
Representativeness		
Sampling appropriate for media and analytes	■ NA	■ NA
Samples extracted and analysed within holding times.	■ NA	■ organics (14 days), inorganics (6 months)
Rinsate blank	■ 1 per day where non-dedicated equipment is used. ■ Samples are to be analysed for all CoPCs other than asbestos.	■ <LOR
Trip spike	■ 1 per lab batch (BTEX only)	■ 70-130%
Method blank / field blank	■ 1 per lab batch	■ <LOR
Comparability		
ERM standard operating procedures for sample collection & handling	■ All samples	■ All samples
NATA* accredited analytical methods used for all analyses	■ All samples	■ All samples
Consistent field conditions, sampling staff and laboratory analysis	■ All samples	■ All samples
Completeness		
Sample description and Chain of Custodies completed and appropriate	■ All samples	■ All samples
Appropriate documentation	■ All samples	■ All samples
Satisfactory frequency and result for QC samples	■ All QA / QC samples	■ -

Data Quality Objectives	Frequency	Data Quality Indicator
Data from critical samples is considered valid	■ NA	■ Critical samples valid
Sensitivity		
Limits of reporting appropriate and consistent	■ All samples	■ All samples

4.7 Step 7 – Optimise the Design for Obtaining Data

Historic uses of the Site and immediately surrounding area indicate the potential for contamination to be present that may pose a risk to human health or the environment. The potentially contaminating sources and activities undertaken are detailed above.

Various strategies for developing a statistically based sampling plan are identified in the ASC NEPM including judgemental; random; systematic and stratified sampling patterns.

Where there is sufficient information to suggest that an area is a source and where existing laboratory confirmatory data are available, then additional soil characterisation may not be warranted. The focus of the data collection will be towards understanding and quantifying any complete pathways that will require further management.

- Where extensive additional sampling is recommended, an addendum to this SAQP may be developed and provided to WPCA and (where necessary) the Site Auditor.

The sampling rationale / strategy adopted is described in the table below and sample locations are presented on **Figure 4**.

Table 4.3 Data Quality Objectives – Optimise the Design for Obtaining Data

Media	Sample Location	Sampling Rationale
Soil	Test Pits	■ Test pits were excavated in a grid based approach within areas of open space and portions of the site in accordance with the NSW EPA sampling density requirements. A total of 13 test pits (TP7, TP19, TP25, TP30, TP31, TP36, TP37, TP41, TP42, TP44, TP47, TP51 and TP54) were also placed within road alignments to assess potential underlying fill materials. ■ ERM note that test pit locations in the SAQP were based on grid based layout. Given the size of the site, and the lack of visible land marks in some areas, some minor deviation from the initially planned grid was noted. Completed locations (as shown on Figure 4) are based on onsite GPS data and reflect actual placement of sampling locations. ■ The purpose of test-pit sampling was to visually assess the potential composition and extent of fill materials / potential asbestos within accessible portions of the Site and to enable sample collection. ■ Visual observations were recorded for all excavated test pits with soil samples to be obtained to assess potential site management requirements during construction and to aid in determining potential future waste classification requirements.
	Soil Bores (contingency)	■ Where site conditions precluded test pits, soil bores were utilised to assess ground conditions. ■ While ERM notes that soil bores are not the preferred method for assessing the potential for asbestos, key indicators such as depth of fill and other signs of anthropogenic inclusions can be used as key indicators for potential asbestos.

Media	Sample Location	Sampling Rationale
Groundwater	Groundwater Monitoring Wells	■ Based on a review of site history, it is the opinion of ERM that the potential for underground storage of fuels or onsite chemical storage is low, the potential for onsite migration of groundwater contamination does however require consideration. ■ Six groundwater monitoring wells will be installed in a general grid based pattern across the site to assess groundwater conditions and potential for on and off-site migration. ■ ERM note that groundwater well locations in the SAQP were based on grid based layout. Given the size of the site, and the lack of visible land marks in some areas, some minor deviation from the initially planned grid was noted. Completed locations (as shown on Figure 4) are based on onsite GPS data and reflect actual placement of sampling locations.
Surface Water / Sediments		■ Due to the potential re-use of surface water within the Site and broader Aerotropolis Core for recreational uses, sediment samples were collected from drainage lines that flow onto and within the site to aid in the assessment of potential for re-use requirements. ■ Sediment samples were collected opportunistically from onsite drainage lines to assess the potential for migration of PFAS and other key CoPCs from adjacent sites. ■ During investigation works, it was noted that no surface waters were present within onsite drainage lines and as such surface water samples were not collected.

5. INVESTIGATION METHODOLOGY

The following table summarises the scope of works and methodology completed as part of this assessment. Fieldwork works were undertaken by suitably qualified ERM environmental scientists in general accordance with the requirements outlined within the ERM SAQP (ERM 2021b).

A summary of completed works is presented within the table below.

Table 5.1 Investigation Methodology

Task	Proposed Scope
1 – Project Preliminaries	Prior to the commencement of investigation works, ERM completed the following: ■ preparation of a site specific Health and Safety Plan (HASP) and associated Safe Work Method Statements (SWMS). ERM notes that in addition to ERM / regulatory requirements, the HaSP and SWMS considered all NSW Government advice relating to onsite precautions for COVID-19; and ■ preparation and submission of required permits for the investigation works.
2 – Service Location	Prior to the commencement of intrusive works, ERM undertook a review of available service plans, including Dial before You Dig and client supplied site plans. ■ The proposed investigation locations were cleared via an experienced underground utility locator with radio detection and Ground Penetrating Radar (GPR) equipment.
3 – Vegetation Clearance	To facilitate sampling of all required investigation locations, ERM worked with WPCA to ensure vegetation clearance works occurred within portions of the site where access was restricted due to vegetation growth. ■ Vegetation was cleared utilising either a back-hoe or tractor mounted slasher with specialist vegetation clearance attachments.
4 – Equipment Calibration	All equipment used in the field was operated under the appropriate technical procedures and calibrated prior to use in accordance with the manufacturer's specifications. ■ The PID was calibrated to an isobutylene standard at the beginning of each working day in accordance with manufacturer requirements and ERM's SOPs. ■ Water quality meters were calibrated by the rental company prior to use and relevant calibration certificates retained by ERM (Appendix E). ■ Oil /water Interface probes were calibrated by the rental company prior to use and relevant calibration certificates retained by ERM (Appendix E).
5 – Test Pitting	Test pitting was undertaken to assess potential uncontrolled fill materials within the Site to aid in assessing potential management / remediation requirements during construction and inform potential waste classification requirements. ■ A total of 65 test pits were excavated to a maximum depth of 1.1 m bgl or the occurrence of natural materials (whichever is encountered first) with a backhoe (Figure 4). ■ Soils were logged by an appropriately trained and experienced scientist/engineer to record the following information: soil/rock type, colour, grain size, sorting, angularity, inclusions, moisture condition, structure, visual signs of contamination (including staining and fragments of fibre cement sheeting) and odour in general accordance with AS 1726. ■ Two primary samples (one topsoil / fill and one natural) were collected and analysed from each sampling location for chemical analysis as per the requirements of the ERM (July 2021) SAQP. ■ Field quality control/quality assurance (QA/QC) samples were collected including field duplicates, inter-laboratory duplicates, rinsate blanks, trip blanks and trip spikes (as per the requirements detailed within the SAQP); ■ Test pits were re-instated with excavated materials in the order from which they were excavated and track rolled for compaction.

Task	Proposed Scope
	■ All samples collected were placed within laboratory-supplied containers / sample bags and transported to a NATA accredited laboratory under chain of custody conditions for the required analysis. Duplicate and Triplicate spilt samples were collected as per the requirements outlined within the NEPM. ■ All test pit locations were GPS recorded for incorporation into subsequent reporting. ■ All collected samples were placed within laboratory-supplied containers, stored in a chilled esky and transported to a NATA accredited laboratory analysis under chain of custody conditions for the required analysis. Copies of CoCs are provided within **Appendix F.** ERM notes that due to a laboratory error, samples collected from 23 test pits (TP01, TP07, TP08, TP14, TP19, TP21-TP25, TP27-TP30, TP33-TP36, TP38-TP41 and TP46) were not analysed. Due to timing requirements, these test pits were re-sampled via soil bores within the same locations as initial test pitting (detailed below). It is noted that field observations and test pit logs from the initial test pitting works confirming the depth and nature of fill materials (including the potential for asbestos to be present) were recorded and as such this minor modification to the scope is not considered to have affected the overall suitability of the collected data set.
6 – Soil Bores	As described above, a total of 23 soil bores were undertaken within the Site to a maximum depth of 0.5 m bgl within locations previously test pitted (Figure 4). ■ Soil bores were logged by an appropriately trained and experienced scientist/engineer to record the following information: soil type, colour, grain size, sorting, angularity, inclusions, moisture condition, structure, visual signs of contamination (including staining and fragments of fibre cement sheeting) and odour in general accordance with AS 1726. ■ Two primary samples (one fill and one natural) were collected and analysed from each location for chemical analysis as per the requirements of the ERM (2021) SAQP. ■ Field quality control/quality assurance (QA/QC) samples were collected including field duplicates, inter-laboratory duplicates, rinsate blanks, trip blanks and trip spikes (as per the requirements detailed above within Table 4.2); ■ During the advancement of all soil bores all locations were field screened with a calibrated photoionisation detector (PID) for the presence of ionisable volatile compounds. ■ All locations were recorded using a hand-held global positioning system (GPS) unit for incorporation into subsequent reporting. ■ All collected samples were placed within laboratory-supplied containers, stored in a chilled esky and transported to a NATA accredited laboratory analysis under chain of custody conditions for the required analysis. Copies of CoCs are provided within **Appendix F.**
7 - Groundwater Well Installation	A total of 6 groundwater monitoring wells were installed to provide general site coverage to assess potential impact to underlying aquifers and any associated risk to identified receptors associated with historical land use practices undertaken within the Site and surrounding area (**Figure 4**). ■ Groundwater monitoring wells were advanced using various drilling methods including hand augering, push tubing and air hammering based on depth of well to be installed, access and type of samples to be collected. ■ Monitoring wells were installed to depths ranging from 9.5 m bgl (MW02) to 16.1m bgl (MW03). ■ During the drilling of groundwater bores, all locations were field screened with a calibrated PID for the presence of ionisable volatile compounds. ■ Groundwater monitoring wells were constructed using 50 mm machine slotted uPVC casing, washed filter sand and a bentonite clay seal. The screened interval installed a minimum 3.0 m in length, with longer screened sections installed in locations where signs of water were faint to ensure water in wells. ■ After the installation, each groundwater monitoring well was developed. During development, wells were purged using high flow pumps and / or disposable bailers.

Task	Proposed Scope
8 - Groundwater Sampling	ERM undertook a groundwater-monitoring event (GME) of the 6 newly installed groundwater wells located within the Site on the 9th February 2022. ■ Prior to sampling, the standing water levels and total well depth in each groundwater monitoring well were gauged using an oil/water interface meter from the top of well casing. ■ 6 primary groundwater samples were collected via Hydrasleeve sampling methods and placed into laboratory provided sample containers and stored with a cooler box for transport to the laboratory under Chain-of -Custody procedures. ■ Samples were collected and stored in appropriately preserved laboratory supplied containers for a suite of analytes as per the ERM (2021b) SAQP. ■ The samples were submitted to NATA accredited analytical laboratory for analysis in accordance with the proposed analytical schedule. Duplicate and Triplicate split samples were collected as per the requirements outlined within the NEPM.
9 – Surface Water and Sediment Sampling	■ ERM collected a total of 4 sediment samples from areas identified as drainage lines and or overland flow paths (Figure 4). ■ Sediment samples were collected via nitrile gloved hand and placed directly into laboratory suppled containers and submitted to NATA accredited analytical laboratory for analysis in accordance with the proposed analytical schedule. Duplicate and Triplicate split samples were collected as per the requirements outlined within the NEPM. ■ ERM notes that during investigation works, no surface waters were observed within Site and as such surface water sampling was not undertaken.
10 - Equipment Decontamination	■ All sampling equipment was decontaminated between sampling locations where designated disposable materials were not used. ■ Rinsate samples were collected as per the requirements of the SAQP to confirm the appropriateness of equipment decontamination.
11 - Waste Materials	■ Waste materials generated from sampling works were collected and stored in appropriately labelled dedicated storage containers. At the time of this report, waste remains stored onsite and will be disposed of appropriately following conclusions of environmental works for the wider site. Disposal documentation will be provided as an addenda to this report.

5.1 SAQP Non-Conformances

ERM notes the following overall minor non-conformances with the ERM (2021) SAQP.

Table 5.2 SAQP Non-Conformances

Item	Reason For Non-Conformance	Comment
Additional Soil Bores	■ ERM notes that due to a laboratory error, samples collected from 23 test pits (TP01, TP07, TP08, TP14, TP19, TP21-TP25, TP27-TP30, TP33-TP36, TP38-TP41 and TP46) were not analysed. Due to project timing requirements, these test pits were re-sampled via soil bores within the same locations as initial test pitting.	■ It is noted that field observations and test pit logs from the initial test pitting works confirming the depth and nature of fill materials (including the potential for asbestos to be present) were recorded and as such this minor modification to the scope is not considered to have affected the overall quality of the collected data set.
Surface water samples not collected	■ ERM notes that during investigation works, no surface waters were observed within Site and as such surface water sampling was not undertaken.	■ Sediment samples were collected from onsite drainage lines / overland flow paths. While surface water samples were not collected due to no surface water being present during investigation works, the use of sediment data is considered to be a good indication of potential impact arising from surface water flows within the Site during periods of high rainfall.
Variance in test pit and monitoring well locations	■ ERM note that test pit locations in the SAQP were based on a grid based layout. Given the size of the site, the lack of visible land marks in some areas and limitations in accuracy of hand held GPS units some minor deviation from the initially planned grid was noted. Completed locations (as shown on Figure 4) are based on onsite hand held GPS data and reflect the recorded placement of sampling locations.	■ While ERM notes there is minor deviation from the initially proposed grid within the SAQP, the overall sampling plan achieved the required coverage and general sampling density as detailed within the SAQP. As such it is the opinion of ERM that the placement of sample locations as detailed within Figure 4 does not materially alter the suitability of the collected data set in meeting the stated project objectives nor the outcomes of the report.

ERM notes that the completed sampling density is less than the density detailed within the NSW Sampling Density guidance, based on the completed scope of works, the sampling density (~57m grid) enabled identification of a hotspot with 30m radius.

6. ASSESSMENT CRITERIA

6.1 Soil and Groundwater Assessment Criteria

Individual soil and groundwater data, along with the maximum, minimum, mean, standard deviation and 95% Upper Confidence Limit (UCL) of the mean concentration (if required) were generally compared to the relevant assessment criteria.

The adopted assessment criteria have generally been sourced from guidelines made or approved by the NSW EPA which includes the National Environmental Protection Council (NEPC) (1999) National Environment Protection (Assessment of Site Contamination) as amended by Amendment Measure 2013 (No. 1) and where alternative sources have been utilised appropriate justification has been provided.

While ERM notes that the initial proposed development includes a commercial / industrial land use setting, to provide flexibility for final master planning, a range of assessment criteria were used for initial screening purposes.

Table 6.1 Soil and Groundwater Assessment Criteria

Media	Assessment Criteria
Soil	Human Health Soil contaminant concentrations will be compared against published values consistent with requirements in NEPM, 2013 sourced from the following: ■ **Health Investigation Levels** (HILs): ▪ HIL A (low density residential) ▪ HIL C (recreational) ▪ HIL D (commercial / industrial). ■ **Health Screening Levels (**HSLs) for vapour intrusion: ▪ HSL A (low density residential) ▪ HSL C (recreational) ▪ HSL D (commercial / industrial). ■ **Ecological Investigation Limits** ▪ Commercial and industrial land use (Ecological – Direct Contact) Coarse ▪ Urban residential and open space – coarse Management Limits ■ Management Limits for assessment of risks to human health in residential, parkland and public open space as well as commercial and industrial settings will be applied subsequent to the above screening criteria. Aesthetic ■ Consideration with also be given to the aesthetics of the soil encountered.
Groundwater	For the purpose of this assessment, groundwater concentrations of contaminants will be compared against published values consistent with requirements in NEPM, 2013 sourced from the following in the specified order of preference: ■ Health Screening Levels (HSLs) for vapour intrusion, asper the NEPM, 2013: ▪ HSL A (low density residential) ▪ HSL C (recreational) ▪ HSL D (commercial / industrial). ■ National Health and Medical Research Council (2011) Australian Drinking Water Guidelines (updated August 2018). While groundwater is considered unlikely to be used for drinking purposes in the vicinity of the site, screening against drinking water guideline values will be conducted on a conservative basis under the scenario that groundwater is extracted and used for other purposes. Screening against drinking water guideline values has also been conducted on a conservative basis under the scenario that groundwater has the potential to discharge to a surface water body which could be used for recreational purposes. ■ Australian and New Zealand Environment Conservation Council (ANZECC) & Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ), Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC & ARMCANZ, 2000). On the basis that the most likely nearest potential surface water receptor is a fresh water body, Trigger Values for fresh water and 95% protection levels (unless otherwise noted) have been adopted. Comparison against these criteria is considered conservative as some attenuation of chemical constituents would be expected prior to groundwater at the site reaching the nearest potential surface water receptors.

6.2 PFAS Specific Assessment Criteria

6.2.1 Soil Criteria

The adopted assessment screening criteria relevant to the different potential exposure scenarios are detailed in the following table.

Table 6.2 PFAS Specific Soil Criteria

Land use Scenario	Source and Rationale		
	PFOS and/or PFHxS	PFOA	Comment
Health Based Guidance Values			
Public open space	1 mg/kg	10 mg/kg	■ For site areas where recreational use may be undertaken the public open space guidance will be utilised. ■ Based on 20% of FSANZ TDI, i.e. up to 80% of exposure is assumed to come from other pathways. National Environment Protection (Assessment of Site Contamination) Measure Health Investigation Level C assumptions for public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools (except where soil used for agriculture studies) 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.
Residential with garden / accessible soil	0.01 mg/kg	0.1 mg/kg	■ ERM notes that the final site layout is not finalised and as such soil results will be screened against residential with garden accessible soil. The use of this criteria is considered conservative and appropriate as the primary screening criteria. Where site land use / masterplans can be provided that exclude low density dwellings, alterative screening criteria may be adopted based on the proposed land-use. ■ Based on 20% of FSANZ TDI, i.e. up to 80% of exposure is assumed to come from other pathways. ASC NEPM Level - A assumptions with home-grown produce providing up to 10% of fruit and vegetable intake (no poultry), also includes children's day care centres, pre-schools and primary schools. Does not include home-grown poultry/egg.
Industrial/ commercial	20 mg/kg	50 mg/kg	■ Assumes 8 hours is spent indoors and 1 hour spent outdoors at a site such as a shop, office, factory or industrial site. If the typical exposure for a site is predominantly outdoors with significant earthen areas, recalculation of a site-specific value is recommended. These were derived using the methodology consistent with assumptions set out in the ASC NEPM for HIL D.
Ecological Guideline Values			
Ecological direct exposure	1 mg/kg	10 mg/kg	■ Soil results collected from the sites will be assessed against the ecological direct exposure criteria presented in NEMP (2020). ■ The NEPM states that 'future work is recommended to review available soil – ecological direct exposure criteria proposed by Australian research and industry organisations. As an interim, it is proposed that the human health screening value for Public open space be used.'

Land use Scenario	Source and Rationale		
	PFOS and/or PFHxS	PFOA	Comment
Ecological indirect exposure	0.01 mg/kg	NA	■ Soil results collected from all sites will be assessed against the interim soil – ecological indirect exposure presented in NEMP (2020). ■ ERM notes that the indirect guidelines are likely to be overly conservative for the sites and will be considered in a site-specific context in subsequent project phases.

6.2.2 Sediment Criteria

There are no published health or ecological screening criteria for PFAS in sediment. The primary issues of concern associated with PFAS in sediment are as follows.

- Potential human health impacts due to direct contact exposure to sediment;
- The potential for sediment to act as a source of PFAS that may remobilise into the water column and/or aquatic food chains; and
- The potential for sediment and / or sediment pore water concentrations to pose direct eco-toxicological effects.

In consideration of the primary risks / exposure scenarios, the following tier 1 screening criteria have been adopted.

- Health-based screening criteria for open space and residential soil (NEMP 2020) have been adopted to assess potential health risks due to direct contact with sediment by human receptors.
  - ERM notes that while soil criteria are not derived with specific consideration of sediment exposure, the frequency and duration of exposure to sediments during recreational use of water bodies are much lower than those assumed for soil exposure in a residential setting. Use of residential soil criteria is therefore considered protective of potential risk due to sediment exposure.
- Interim Soil – ecological direct exposure (NEMP 2020) have been used to assess the sediments.
  - ERM notes that while the soil criteria have not been derived with specific consideration of sediment exposure the use of the guideline for screening purposes in conjunction with the surface water sampling is considered appropriate for the investigation
- Potential impacts on surface water and/or the aquatic food chain have been assessed by comparison of surface water concentrations to relevant screening levels.
- There is currently insufficient data regarding direct sediment toxicity to sediment dwelling organisms, thus no screening criteria are available for this pathway.
  - As an interim measure the NEMP recommends the human health value of 1 mg/kg be used to evaluate soil and this has been used to evaluate provide an indication the exposure of organisms to concentrations in sediment.

6.2.3 Groundwater Criteria

- While ERM notes that an initial assessment of potential beneficial re-uses of groundwater within the area **(Section 2.1)** indicates that the beneficial use of groundwater for potable use within the vicinity of the Site is unlikely, as a conservative measure, drinking water guidelines will be used as the primary tier 1 human health screening criteria for this assessment. Details on screening criteria for surface and groundwater will be adopted as per the below table.

Table 6.3 PFAS Specific Water Criteria

Land use Scenario	Rationale and adopted Groundwater Criteria		
	PFOS / PFHxS	PFOA	
Ecological – Fresh Water	0.00023 µg/L (99% protection); 0.13 µg/L (95% protection); (PFOS only)	19 µg/L (99% protection); 220 µg/L (95% protection;	■ Groundwater and Surface water screening criteria are sourced from Table 1 Draft Commonwealth Environmental Management Guidance (2016) which summarises the draft (as yet unpublished) guideline values developed for inclusion in the future revision of the ANZECC&ARMCANZ (2000) document "*Australian and New Zealand Guidelines for Fresh and Marine Water Quality*". ■ These guidelines are derived for a range of species protection levels, depending on the nature of the aquatic ecosystem, with 99% species protection values applicable to high conservation value / largely unmodified systems, 95% protection values applicable to slightly to moderately disturbed systems, and lower protection levels (90% and/or 80%) applicable to highly disturbed systems. ■ In addition, ANZECC&ARMCANZ (2000) recommend that for bio accumulative compounds, the 99% level be used for slightly to moderately disturbed ecosystems, unless site-specific assessment of risks due to bioaccumulation through the food chain is undertaken.
Human Health – Drinking Water	0.07 µg/L (PFOS + PFHxS)	0.56 µg/L	■ Values adopted from FSANZ (2017) Health Based Guidance Values for PFAS: For use in site investigations in Australia. Also referenced in the NEPM (2020). ■ Recreational criteria has been sourced from the NHMRC 2019 guidance utilising refined estimates of water ingestion while swimming etc. ■ ERM notes that the degree of conservatism in the drinking water and recreational water guidance values (90% attributed to other exposure pathways) means that exceeding these values does not constitute a risk if other pathways are controlled.
Human health – Recreation	2 µg/L (PFOS + PFHxS)	10 µg/L	

ERM notes that due to the low concentrations associated with the NEMP freshwater screening criteria, where the LOR exceeds the adopted criteria for HEPA NEMP (2020) Ecological – Fresh Water 99% criteria, the laboratory LOR will be used as an interim screening level.

7. INVESTIGATION RESULTS

The following sections summarise the results of the investigation works undertaken by ERM.

7.1 Field Observations

7.1.1 Site Walkover

During the initial soil investigation works by ERM between 25 – 27 October 2021, the following observations were made. Site features observed during the Site walkover are presented within Figure 4 and a photographic log illustrating conditions observed during investigation works is presented within **Appendix D;**:

- Access roads were located within the Site boundary, including a bitumen road that entered the site from Badgerys Creek Rd, running west – east along the north of the site before turning and running straight to the south along the western site boundary (Photographs 2, 29 and 34 in Appendix D). Other unsealed access roads were observed in the east of the Site and comprised either of exposed clays or topsoil with grass cover;
- The remainder of the site was comprised of open grass areas (adjacent to roadways) or thicker shrubs / vegetation (Photographs 1, 2, 4 and 5 in Appendix D). ERM notes that prior to sampling works, the site vegetation was cleared to enable access.
- Signage related to underground services was observed near the unsealed access roads within the eastern portion of the site, indicating that services were running from the compound at the centre of the wider site to the site access point on Badgerys Creek Rd in the north-west. No signs of fill materials / foreign materials were observed across the site surface in this area. It is noted that advice from WPCA and the adjacent Transport for New South Wales (TfNSW) contractors indicated that all onsite services were redundant;
- Conduits related to site services were observed to run along the side of the bitumen road (Figure 4). During investigation works, service conduits appeared to have been buried in a shallow excavated service trench and backfilled with site won materials – no materials typical of service trenches were observed in this location (e.g. homogenous sands / geofabric layers); and
- During completion of the site walkover soil bores and test pits, no evidence of ACM or anthropogenic inclusions (bricks, demolition rubble etc.) were noted with the exception of some broken glass within topsoil materials located adjacent to the Site entry.

7.1.2 Soil Investigation Works

Figure 4 illustrates soil investigation locations. Bore logs detailing the stratigraphic conditions encountered during drilling of boreholes and test pitting works are presented in **Appendix C**. A photographic log illustrating conditions encountered during investigation works is presented within **Appendix D**.

Soil investigation works including the completion of 65 test pits between 25 – 27 October 2021 and 23 soil bores on 15 February 2022 to assess the conditions of soil materials throughout the site and the presence, depth and extent of fill materials.

During test pitting works, fill materials were generally observed to extend to depths of approximately 0.1 – 0.2 m bgl and comprised clay and organic topsoil / loam materials. During investigation works, no evidence of staining / odours or anthropogenic inclusions such as bricks, rubble, potential ACM etc. was noted within fill materials.

- **Figure 7 (Appendix A)** illustrates the estimated fill / topsoil thickness across the site based on field observations made during investigation works.

Natural materials were generally encountered at surface or at depths of between 0.1 and 0.2 m bgl in locations with identified overlying fill or organic topsoil / loam materials . Natural materials were generally comprised of brown and red clays with occasional grey / orange inclusions, varying in stiffness and plasticity to a depth of approximately 2.5 m bgl overlying fine-grained interbedded sandstone and shale bedrock with clay bands. The encountered bedrock was consistent with geological mapping of the area as discussed in Section 2.1. During investigation works, no evidence of staining / odours were identified within natural materials.

Field headspace screening using a undertaken during investigation works (including drilling works associated with groundwater well installation) ranged from 0 – 2 ppm (noting all PID screening results presented are equivalent to an isobutylene standard) which are considered consistent with background conditions and not indicative of potential anthropogenic contamination.

ERM notes the following sampling locations were identified to contain slightly elevated PID readings:

- A PID reading of 17.4 ppm was identified at TP06 at a depth of 0.1 m bgl;
- A PID reading of 29.9 ppm was identified at TP13 at a depth of 0.1 m bgl;
- A PID reading of 62.1 ppm was identified at TP18 at a depth of 0.1 m bgl;
- A PID reading of 37.6 ppm was identified at TP22 at a depth of 0.1 m bgl;
- A PID reading of 10.6 ppm was identified at TP23 at a depth of 0.1 m bgl;
- A PID reading of 21.8 ppm was identified at TP24 at a depth of 0.1 m bgl;
- A PID reading of 12.8 ppm was identified at TP26 at a depth of 0.1 m bgl;
- A PID reading of 23.8 ppm was identified at TP27 at a depth of 0.3 m bgl;
- A PID reading of 12.8 ppm was identified at TP28 at a depth of 0.1 m bgl;
- A PID reading of 49.4 ppm was identified at TP29 at a depth of 0.1 m bgl;
- A PID reading of 24.4 ppm was identified at TP30 at a depth of 0.1 m bgl;
- A PID reading of 39.7 ppm was identified at TP39 at a depth of 0.1 m bgl;
- A PID reading of 69.6 ppm was identified at TP40 at a depth of 0.1 m bgl; and
- A PID reading of 15.1 ppm was identified at TP44 at a depth of 0.1 m bgl.

During sampling works, no evidence of staining / odour or other indicators of anthropogenic impact were identified within these locations. Additionally, soil analytical results (discussed in Section 7.3.1) did not identify detection of TRH. As such it is the opinion of ERM that these slightly elevated PID reading is not indicative of potential anthropogenic contamination.

7.2 Groundwater

To assess groundwater within the Site, ERM undertook a GME in February 2022. Field observations and groundwater gauging information collected during the investigation works are summarised below and presented within **Table 4 - 5** within **Appendix B**. The location of groundwater monitoring wells is presented on **Figure 4**. The locations of samples identified to exceed the adopted screening criteria are illustrated on **Figure 5**.

During groundwater gauging, groundwater was identified within the Site at depths ranging from 6.466 m btoc (MW06) to 8.861 m btoc (MW03).

- ERM notes that during gauging works, monitoring well MW02 was observed to be dry.

During groundwater sampling works groundwater was generally characterised as cloudy, slightly turbid and white / brown in colour with no noticeable odour or sheen.

Field parameters collected during sampling works indicated the following:

- pH ranged from 6.89 (MW03) to 6.94 (MW05) indicating slightly acidic conditions;
- Dissolved Oxygen (DO) ranged from 1.74 ppm (MW05) to 1.91 ppm (MW03) indicating slightly aerobic conditions;
- Conductivity ranged from 23,474 µs/cm (MW03) to 28,918 µs/cm (MW04) indicating brackish / saline conditions which is considered consistent with conditions within the Bringelly shale formation; and
- Eh (redox potential) ranged from -0.5 mV (MW03) to 27.4 mV (MW05).

ERM notes that during well development, gauging and sampling works, no significant odours, sheen or other indications of anthropogenic contamination were noted.

ERM further notes that at the time of this investigation surveys of groundwater wells had not been undertaken. Survey results and calculated groundwater flow directions will be provided within an addendum to this report.

7.2.1 Sediment Investigation

Sediment investigation works were undertaken on the 9th February 2022. During investigation works, sediments were noted to be comprised of fine grained silty, sandy clays. During investigation works, no evidence of anthropogenic contamination such as odours / staining were noted during sampling.

7.3 Analytical Results

7.3.1 Soil Investigation

Sampling locations are presented on **Figure 4**. Tabulated analytical results are presented in **Tables 1 – 1a**. Analytical certificates are presented in **Appendix F.** The location of soil samples exceeding the adopted screening criteria is presented within Figure 5.

Laboratory analysis of collected soil samples returned concentrations of CoPCs less than the adopted assessment criteria and / or LOR with the exception the following:

- Zinc exceeding the EILs for urban residential / open space within samples TP07_0.1, TP08_0.1, TP16_0.4, TP31_0.1, TP40_0.3, TP41_0.4, TP42_0.1 and TP55_0.5;
- Zinc exceeding the EILs for commercial / industrial land use within sample TP44_0.5;
- Nickel exceeding the EILs for commercial / industrial land use within samplesTP31_0.1, TP37_0.1, TP42_0.1 and TP47_0.1; and
- Copper exceeding the EILs for urban / residential land use within samples TP31_0.1, TP37_0.1, and TP42_0.1.

ERM notes that PFAS and OC pesticides (Aldrin + Dieldrin) were identified within sample TP01_0.1 slightly above the laboratory LOR. Samples collected from underlying materials were noted to have reported concentrations less than the laboratory LOR. ERM further notes that PFAS and OC pesticides (Aldrin + Dieldrin) were not identified within soil samples collected from any other location or within collected groundwater samples. As such it is the opinion of ERM that these minor detections of PFAS and OC pesticides (Aldrin + Dieldrin) within surface soils are considered to be an isolated occurrence and not indicative of significant / widespread contamination that require further assessment.

7.3.2 Groundwater Investigation

Groundwater well locations are presented in **Figure 4**. Tabulated analytical results are presented in **Table 2a.** Analytical certificates are presented in **Appendix F.** The location of soil samples exceeding the adopted screening criteria is presented within **Figures 6**.

- Laboratory analysis of collected groundwater samples returned concentrations less than the adopted assessment criteria and / or LOR with the exception of the following:Arsenic exceeding the drinking water guidelines within monitoring wells MW01;
- Cadmium exceeding the ANZG slightly to moderately disturbed freshwater criteria within monitoring wells MW04, MW05 and MW06;
- Copper exceeding the ANZG slightly to moderately disturbed freshwater criteria within monitoring wells MW01, MW04 and MW06;
- Lead exceeding the ANZG slightly to moderately disturbed freshwater criteria within monitoring wells MW01;
- Nickel exceeding the ANZG slightly to moderately disturbed freshwater criteria within monitoring wells MW01 and MW04; and
- Zinc exceeding the ANZG slightly to moderately disturbed freshwater criteria within monitoring wells MW01, MW03, MW04, MW05 and MW06.

ERM notes that minor TRH concentrations above the LOR were identified within MW01 and MW03. As no evidence of anthropogenic hydrocarbon contamination was identified during drilling and / or groundwater gauging works, the samples were re-analysed via a silica gel clean-up. Following re-analysis, all TRH concentrations were reported less than LOR indicating that the identified low concentrations of TRGH are likely associated with natural organic sources and not indicative of anthropogenic contamination.

7.3.3 Sediment Investigation

Sampling locations are presented on **Figure 4**. Tabulated analytical results are presented in **Table 3.** Analytical laboratory certificates are presented in **Appendix F.**

Laboratory analysis of collected soil samples returned concentrations of CoPCs less than the Laboratory LOR for PFAS in all samples.

7.4 Quality Assurance and Quality Control – Data Usability

A review of the laboratory QA/QC data was completed by ERM. The QA/QC review indicated that results are generally within the relevant DQI acceptance criteria for the analyses conducted. Details of the project QAQC information is provided within Appendix F.

8. UPDATED CONCEPTUAL SITE MODEL

Based on information reviewed as part the ERM (2021) PSI and in consideration of current and potential future land use scenarios, ERM developed a preliminary Conceptual Site Model (CSM). The below CSM has been updated / refined with information obtained during this DSI.

Table 8.1 Conceptual Site Model

Potential Sources	Pathways	Potential Receptors	Comment / Site Characterisation	Risk of Potentially Complete Pollutant Linkage
Uncontrolled fill within onsite roads	■ Dermal contact and / or incidental ingestion with contaminated soils.	■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site	■ During investigation works, no fill materials containing potential anthropogenic inclusions was observed during site observations or identified within samples collected from within and / or adjacent to onsite roadways. ■ ERM notes that during future construction works, a Construction Environmental Management Plan (CEMP) including an Unexpected Finds Protocol should be implemented to manage the potential for isolated fill materials to be present under sections of roadways. ■ The completed sampling density allowed the detection of a hotspot with a minimum radius of 30m.	■ Low
	■ Inhalation of contaminated dust.	■ Current and future site users ■ Workers doing works involving movement / handling etc. of materials		**Low**
	■ Transport of contamination through surface water flows.	■ Adjacent sensitive ecological receptors. ■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site.		**Low**
	■ Transport of contamination to underlying groundwater aquifers	■ Adjacent sensitive ecological receptors. ■ Future potential on-site / offsite users of groundwater		**Low**
	■ Transport of contaminants through mechanical transport	■ Workers carrying out development, installation or maintenance works within the site		**Low**

Potential Sources	Pathways	Potential Receptors	Comment / Site Characterisation	Risk of Potentially Complete Pollutant Linkage
Uncontrolled fill within potential onsite burials	■ Dermal contact and / or incidental ingestion with contaminated soils.	■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site	■ During test pitting works, fill materials were identified to be generally consistent across the site and extending to a maximum depth of 0. 2 m bgl. ■ During investigation works, no fill materials containing potential anthropogenic inclusions were identified within test pitting works undertaken within the Site and as such the risk of potential uncontrolled fill is considered to be low. ■ Heavy metals exceeding the adopted EILS were identified within isolated areas throughout the Site. Based on the nature and extent of these minor exceedances and the proposed future land uses within the Site, it is the opinion of ERM that these minor and isolated exceedances of EILs are unlikely to pose a risk of harm to the current / future land uses within the Site. ■ ERM notes that during future construction works, a Construction Environmental Management Plan (CEMP) including an Unexpected Finds Protocol should be implemented to manage the potential for isolated fill materials to be present within the Site.	■ Low
	■ Inhalation of contaminated dust.	■ Current and future site users ■ Workers doing works involving movement / handling etc. of materials		■ Low
	■ Transport of contamination through surface water flows.	■ Adjacent sensitive ecological receptors. ■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site.		■ Low
	■ Transport of contamination to underlying groundwater aquifers	■ Adjacent sensitive ecological receptors. ■ Future potential on-site / offsite users of groundwater		■ Low
	■ Transport of contaminants through mechanical transport	■ Workers carrying out development, installation or maintenance works within the site		■ Low

Potential Sources	Pathways	Potential Receptors	Comment / Site Characterisation	Risk of Potentially Complete Pollutant Linkage
Potential Onsite Weed Spraying	■ Dermal contact and / or incidental ingestion with contaminated soils.	■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site	■ No immediate evidence of spraying (dead / dying vegetation) was noted during the site inspection. ■ Laboratory analysis of collected samples returned concentrations of COPCs associated with pesticides / herbicides less than LOR. ■ As such ERM considers there to be a low risk of harm to current and future on-site / off-site receptors from potential contamination associated with onsite weed spraying activities.	■ Low
	■ Inhalation of contaminated dust.	■ Current and future site users ■ Workers doing works involving movement / handling etc. of materials during excavation works		■ Low
	■ Transport of contamination through surface water flows.	■ Adjacent sensitive ecological receptors. ■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site.		■ Low
	■ Transport of contamination to underlying groundwater aquifers	■ Adjacent sensitive ecological receptors. ■ Future potential on-site / offsite users of groundwater		■ Low
	■ Transport of contaminants through mechanical transport	■ Workers carrying out development, installation or maintenance works within the site.		■ Low
Asbestos Conduits	■ Dermal contact and / or incidental ingestion with contaminated soils.	■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site	■ Previous investigations identified the potential for ACM to be present within onsite service pits / conduits. ■ During completion of these investigation works, asbestos conduits were not identified within the Site and where services were encountered no potential ACM in back fill materials was identified. ERM	■ Low
	■ Inhalation of contaminated dust.	■ Current and future site users ■ Workers doing works involving movement / handling etc. of materials		■ Low

Potential Sources	Pathways	Potential Receptors	Comment / Site Characterisation	Risk of Potentially Complete Pollutant Linkage
	■ Transport of contamination through surface water flows.	■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site.	notes that during future construction works, a Construction Environmental Management Plan (CEMP) including an Unexpected Finds Protocol should be implemented to manage the potential for potential asbestos conduits to be encountered during earthworks. .	■ Low
	■ Transport of contamination to underlying groundwater aquifers	■ Future potential on-site / offsite users of groundwater		■ Low
	■ Transport of contaminants through mechanical transport	■ Workers carrying out development, installation or maintenance works within the site.		■ Low
General Site Area (PFAS)	■ Dermal contact and / or incidental ingestion with contaminated soils.	■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site	■ ERM notes that PFAS was identified within sample TP01_0.1 slightly above LOR. Samples collected from underlying materials were noted to be less than LOR. ■ ERM further notes that PFAS was not identified within soil samples collected from any other location or within collected groundwater samples. As such it is the opinion of ERM that this minor detection of PFAS within surface soils is not indicative of significant / widespread PFAS contamination. ■ The completed sampling density allowed the detection of a hotspot with a minimum radius of 30m.	■ Low
	■ Inhalation of contaminated dust.	■ Current and future site users ■ Workers doing works involving movement / handling etc. of materials		■ Low
	■ Transport of contamination through surface water flows.	■ Adjacent sensitive ecological receptors. ■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site.		■ Low
	■ Transport of contamination to underlying groundwater aquifers	■ Adjacent sensitive ecological receptors. ■ Future potential on-site / offsite users of groundwater		■ Low

Potential Sources	Pathways	Potential Receptors	Comment / Site Characterisation	Risk of Potentially Complete Pollutant Linkage
	■ Transport of contaminants through mechanical transport	■ Workers carrying out development, installation or maintenance works within the site.		■ Low
Potential Offsite Sources of Contamination	■ Dermal contact and / or incidental ingestion with contaminated soils.	■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site	■ Analytical results from collected soil and groundwater samples returned concentrations of CoPCs less than LOR and / or the adopted assessment criteria within all collected samples with the exception of several exceedances of heavy metals. ■ It is the opinion of ERM that due to the consistency of results throughout the Site and as there is no onsite / offsite source of heavy metals, that the minor exceedances are likely representative of natural background conditions are not indicative of anthropogenic contamination that requires further assessment. ■ As such ERM considers there to be a low risk of harm to current and future on-site / off-site receptors from potential contamination associated with potential offsite sources of contamination. ■ The completed sampling density allowed the detection of a hotspot with a minimum radius of 30m.	■ Low
	■ Inhalation of contaminated dust.	■ Current and future site users ■ Workers doing works involving movement / handling etc. of materials		■ Low
	■ Transport of contamination through surface water flows.	■ Adjacent sensitive ecological receptors. ■ Current and future site users. ■ Workers carrying out development, installation or maintenance works within the site.		■ Low
	■ Transport of contamination to underlying groundwater aquifers	■ Adjacent sensitive ecological receptors. ■ Future potential on-site / offsite users of groundwater		■ Low
	■ Transport of contaminants through mechanical transport	■ Workers carrying out development, installation or maintenance works within the site.		■ Low

9. CONCLUSIONS AND RECOMMENDATIONS

ERM was engaged by WPCA to undertake a DSI at the site identified as the First Building Development within the Bradfield development area, located at 215 Badgerys Creek Road, Bringelly NSW (the Site).

To assist with planning requirements, ERM undertook a PSI in June 2021 to refine the understanding surrounding potential contamination associated with recent and historical land use practices undertaken within the Site and surrounding area that may require consideration during future redevelopment works.

Based on information reviewed as part of the PSI, ERM considered there may be a potential risk to human health and / or sensitive ecological receptors associated with a number of current and historical land use practices undertaken within the Site and surrounding area and recommended the completion of a DSI to further assess the potential for soil and / or groundwater contamination to be present.

The overall objective of the DSI was therefore to assess the potential existence and distribution / extent of contamination in soil, sediments, surface water, and groundwater and to identify potential remediation / site management requirements to enable subsequent redevelopment works at the Site.

This DSI was undertaken in general accordance with ERM (2021b) SAQP which was developed to describe the required Data Quality Objectives (DQOs) and field investigation methods for undertaking this DSI.

Results of the DSI indicated the following:

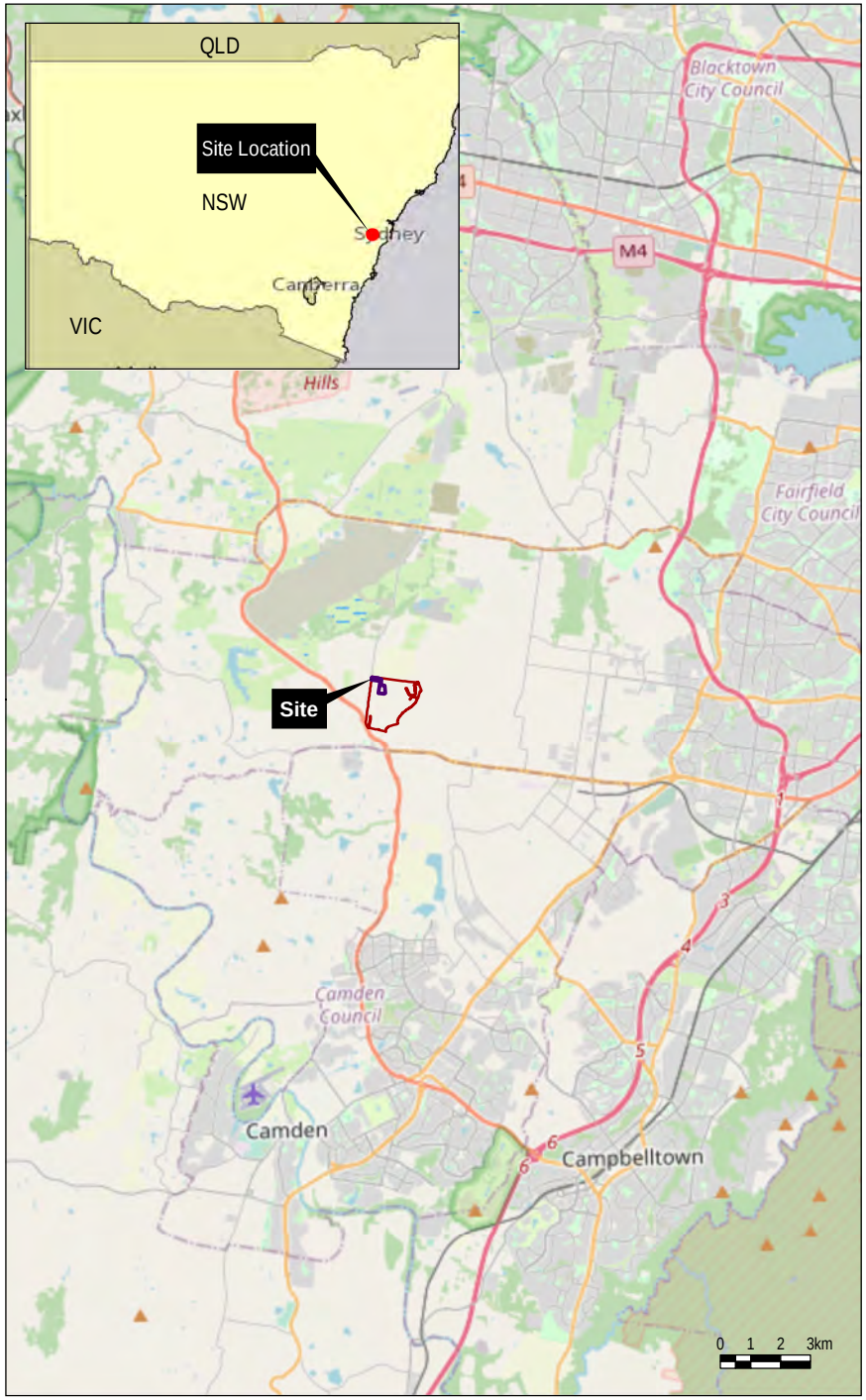
- Fill materials were observed to extend to a maximum depth of 0.2 metres below ground level (m bgl). During investigation works, no evidence of staining / odours or anthropogenic inclusions such as bricks, rubble, potential Asbestos Containing Material (ACM) etc. was noted within fill materials. Based on the consistent depth of fill and the identified nature and extent of fill material within the site it is the opinion of ERM that there is a low risk of significant burials of uncontrolled fill materials within the Site.
- Service conduits were identified during investigation works within portions of the Site as identified in Figure 4. During investigation works, no visual indicators of ACM conduits was observed and fill material surrounding service lines was observed to be free from anthropogenic contamination including potential ACM. It is noted however that during development of the site a Construction Environmental Management Plan (CEMP) including an unexpected finds plan will be required to manage any potential unexpected finds during removal of site wide former service conduits.
- Natural materials were generally encountered at surface or at depths ranging between 0.1 and 0.2 m bgl in locations with identified overlying fill. Natural materials were generally comprised of brown and red clays with occasional grey / orange inclusions, varying in stiffness and plasticity to a depth of approximately 2.5 m bgl overlying fine-grained interbedded sandstone and shale bedrock with clay bands to the maximum depth of investigation works. During investigation works, no evidence of staining / odours were identified within natural materials. Analytical results of collected soil samples returned concentrations of Contaminants of Potential Concern (CoPCs) less than the laboratory Limits of Reporting (LOR) and / or the adopted assessment criteria within all collected samples with the exception of heavy metals which were identified to exceed the adopted Ecological Investigation Levels (EILs) within several samples of fill and natural material. Based on the nature and extent of these minor exceedances and the proposed future land uses within the Site, it is considered that these minor and isolated exceedances of EILs are unlikely to pose a risk of harm to the current / future land uses within the Site.

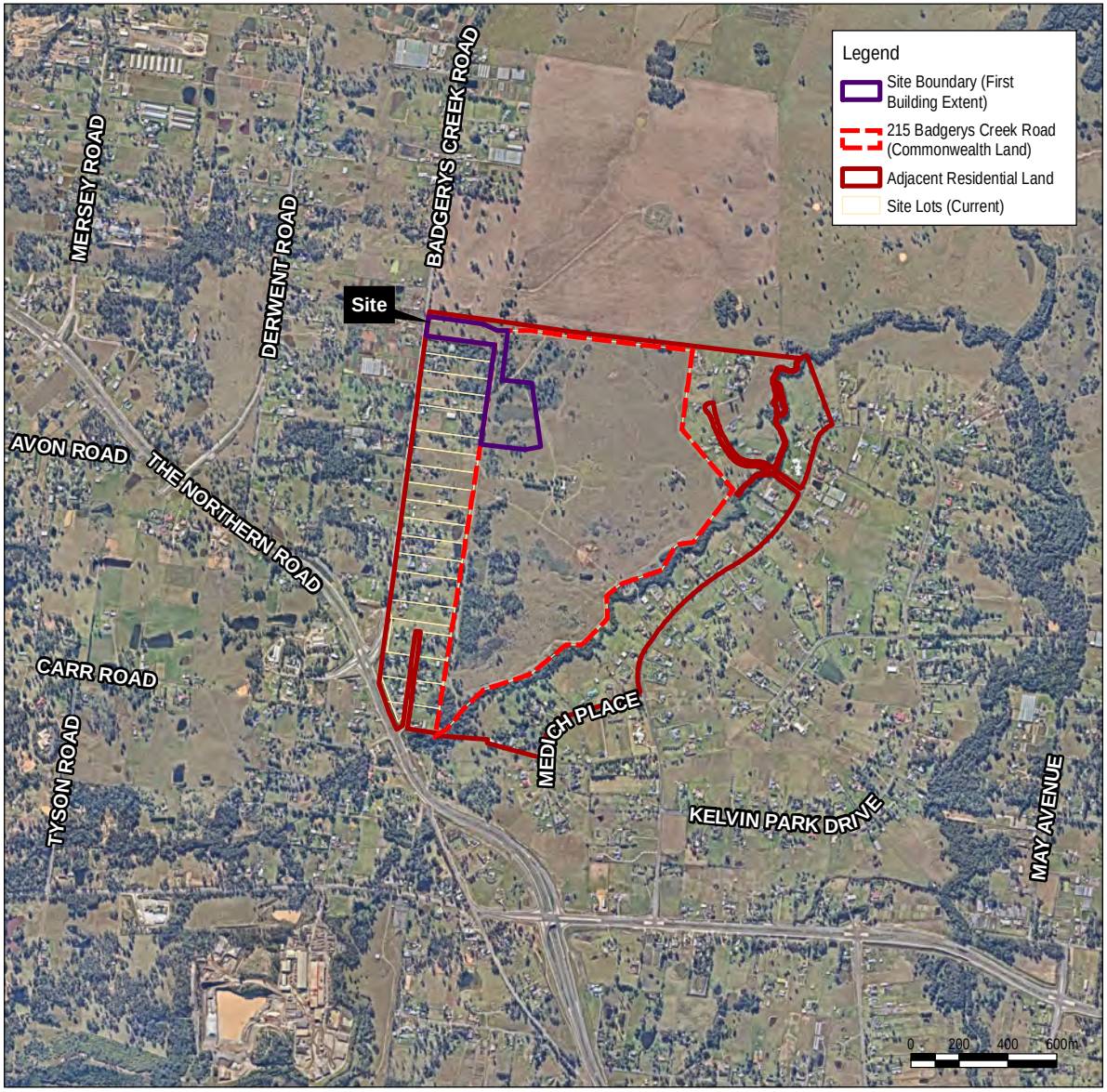
- ERM notes that Per and Polyfluoroalkyl Substances (PFAS) were identified within sample TP01_0.1 slightly above the laboratory LOR. Analysis of samples collected from underlying materials within TP01reported concentrations below the laboratory LOR. ERM further notes that PFAS were not identified within soil samples collected from any other location or within collected groundwater samples. As such it is the opinion of ERM that this minor detection of PFAS within surface soils is not indicative of significant / widespread PFAS contamination that requires further assessment.
- Sediment samples collected during investigation works from onsite drainage lines / overland flow paths were noted to be comprised of fine grained silty, sandy clays. During investigation works, no evidence of anthropogenic contamination such as odours / staining were noted. Laboratory analysis of collected sediment samples, returned concentrations of CoPCs less than the laboratory LOR and / or the adopted assessment criteria indicating there is a low risk of CoPCs migrating via surface water flows throughout the Site. ERM notes that at the time of the DSI, no surface water was present within the Site, however the collected sediment samples are considered to be a good indication of potential impact arising from surface water flows within the Site during periods of high rainfall.
- Groundwater was identified within the Site at depths ranging from 6.466 m btoc (MW06) to 8.861 m btoc (MW03). During groundwater sampling works, no indication of sheen, odours or other visual / olfactory indicators of contamination were noted.
    - As works are being undertaken concurrently with investigation works within the wider Bradfield site area, at the time of this report a survey of groundwater levels has not been completed as part of this investigation and will be provided as an addendum to this report. It is however noted that as concentrations of all CoPCs were less than LOR and / or the adopted assessment criteria within all collected groundwater samples, that the risk of contamination migrating through groundwater and impacting on/off site receptors is considered to be low
- Analytical results of collected groundwater samples returned concentrations of CoPCs less than the laboratory LOR and / or the adopted assessment criteria within all collected samples with the exception of minor exceedances of drinking water / ANZG freshwater criteria for heavy metals. Based on identified heavy metals within soils and site conditions observed during completion of this DSI, the identified slightly elevated heavy metals within groundwater are likely representative of natural background conditions and are not indicative of anthropogenic contamination that requires further assessment.
    - ERM notes that minor TRH concentrations above the laboratory LOR were identified within MW01 and MW03. As no evidence of anthropogenic hydrocarbon contamination was identified during drilling and / or groundwater gauging works, the samples were re-analysed utilising a silica gel clean-up. Following re-analysis, all TRH concentrations were reported less than the laboratory LOR indicating that the identified low concentrations of TRH are likely associated with natural organic sources and not indicative of anthropogenic contamination.

Based on field observations made during site investigations works, results of collected soil, groundwater and sediment samples and in consideration of the updated CSM presented within Section 8, therefore ERM consider that the site is suitable for the proposed commercial / industrial development.

Prior to the commencement of construction works, ERM recommends that a Construction Environmental Management Plan (CEMP) including an Unexpected Finds Protocol should be implemented to manage the potential for unexpected finds of fill materials and potential asbestos conduits to be encountered during earthworks.

APPENDIX A FIGURES





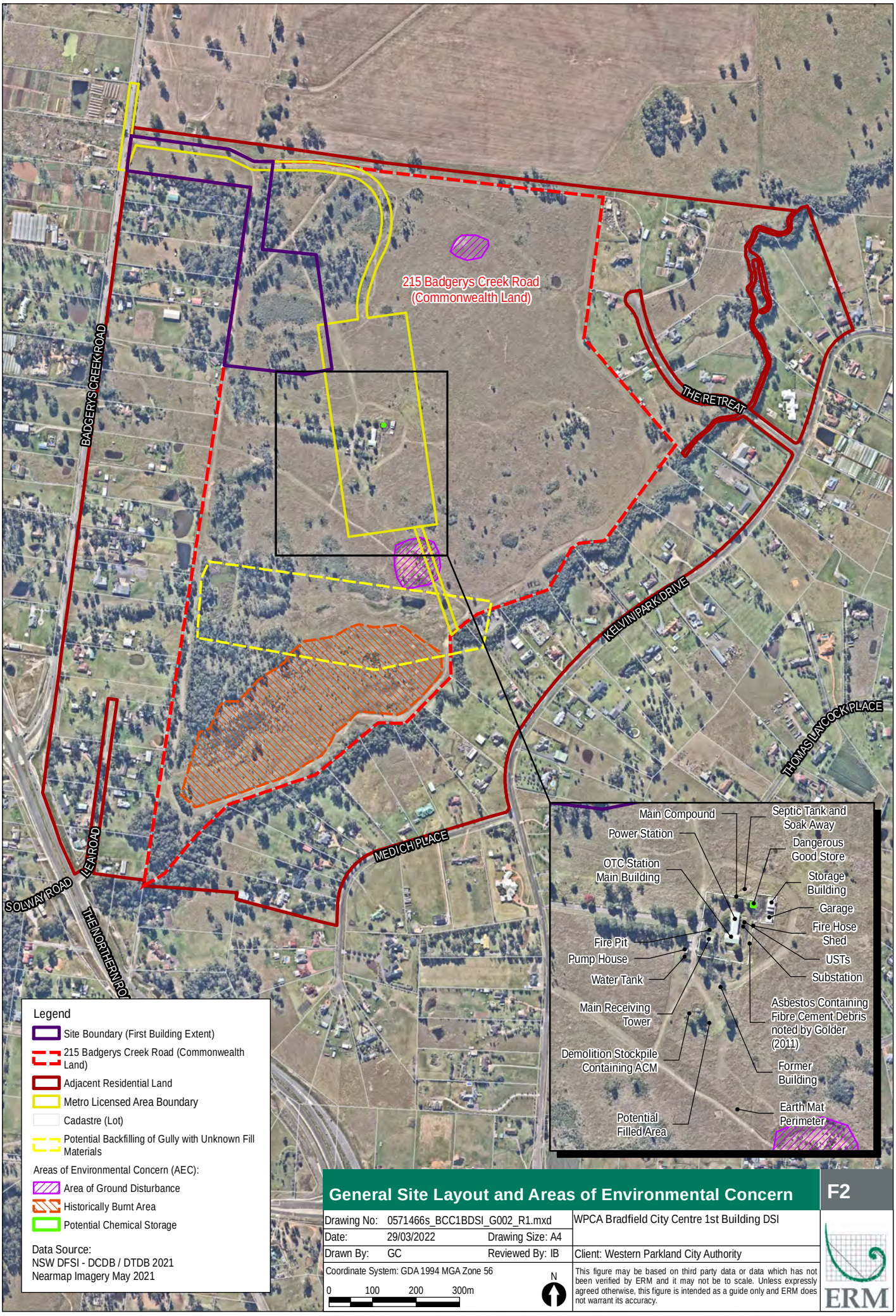
Data Source:
NSW DFSI - DCDB / DTDB 2021
Nearmap Imagery May 2021
Esri OpenStreetMap 2021

Site Location

F1

Drawing No:	0571466s_BCC1BDSI_G001_R0.mxd		WPCA Bradfield City Centre 1st Building DSI
Date:	29/03/2022	Drawing Size: A4	
Drawn By:	GC	Reviewed By: IB	Client: Western Parkland City Authority
Coordinate System: GDA 1994 MGA Zone 56		N	This figure may be based on third party data or data which has not been verified by ERM and it may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and ERM does not warrant its accuracy.

ERM



General Site Layout and Areas of Environmental Concern

F2

Drawing No: 0571466s_BCC1BDSI_G002_R1.mxd		WPCA Bradfield City Centre 1st Building DSI
Date: 29/03/2022	Drawing Size: A4	
Drawn By: GC	Reviewed By: IB	Client: Western Parkland City Authority

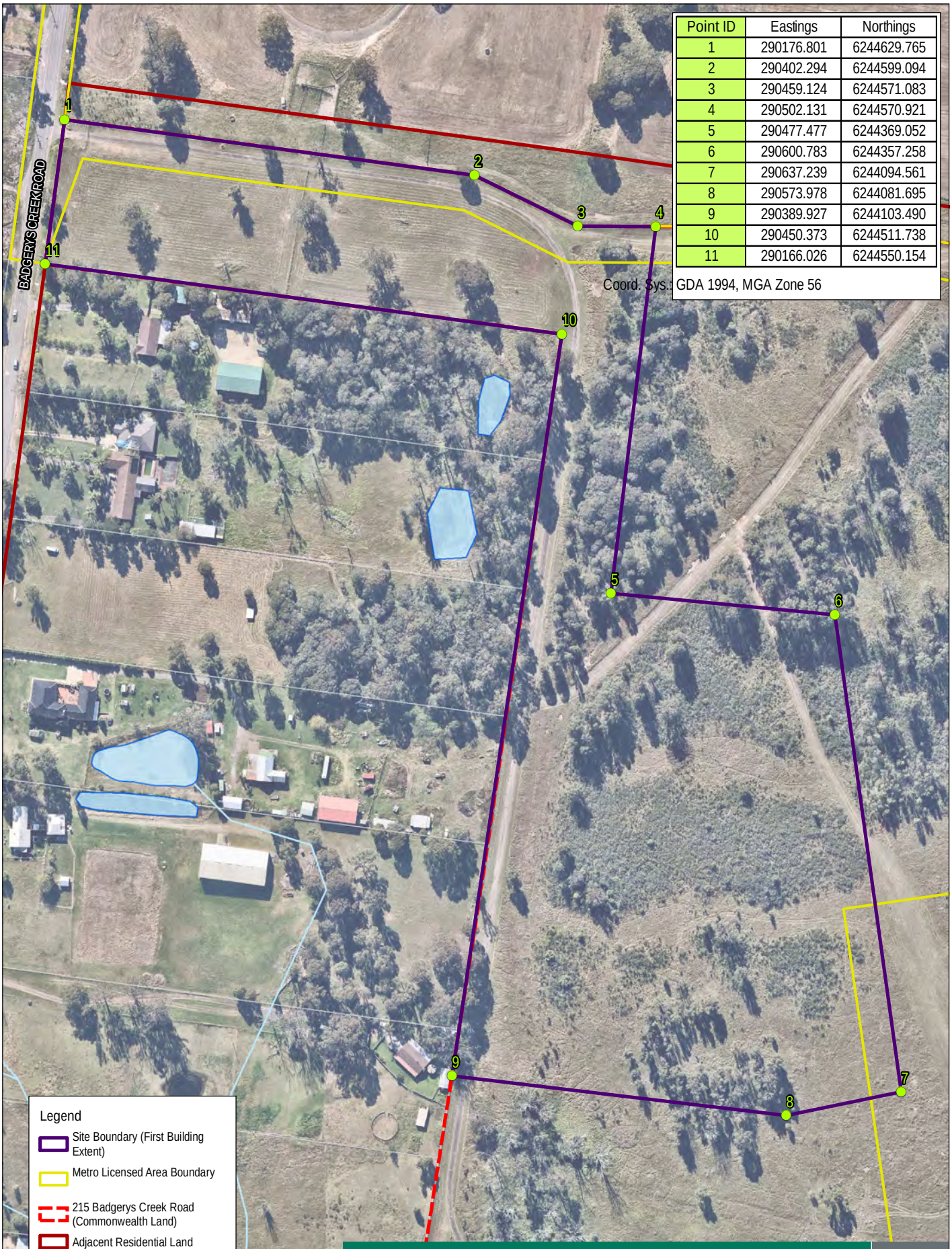
Coordinate System: GDA 1994 MGA Zone 56

0 100 200 300m

N

This figure may be based on third party data or data which has not been verified by ERM and it may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and ERM does not warrant its accuracy.

ERM



Point ID	Eastings	Northings
1	290176.801	6244629.765
2	290402.294	6244599.094
3	290459.124	6244571.083
4	290502.131	6244570.921
5	290477.477	6244369.052
6	290600.783	6244357.258
7	290637.239	6244094.561
8	290573.978	6244081.695
9	290389.927	6244103.490
10	290450.373	6244511.738
11	290166.026	6244550.154

Coord. Sys.: GDA 1994, MGA Zone 56

Site Layout

F3

Drawing No: 0571466s_BCC1BDSI_G003_R0.mxd

Date: 29/03/2022 Drawing Size: A4

Drawn By: GC Reviewed By: IB

Coordinate System: GDA 1994 MGA Zone 56

WPCA Bradfield City Centre 1st Building DSI

Client: Western Parkland City Authority

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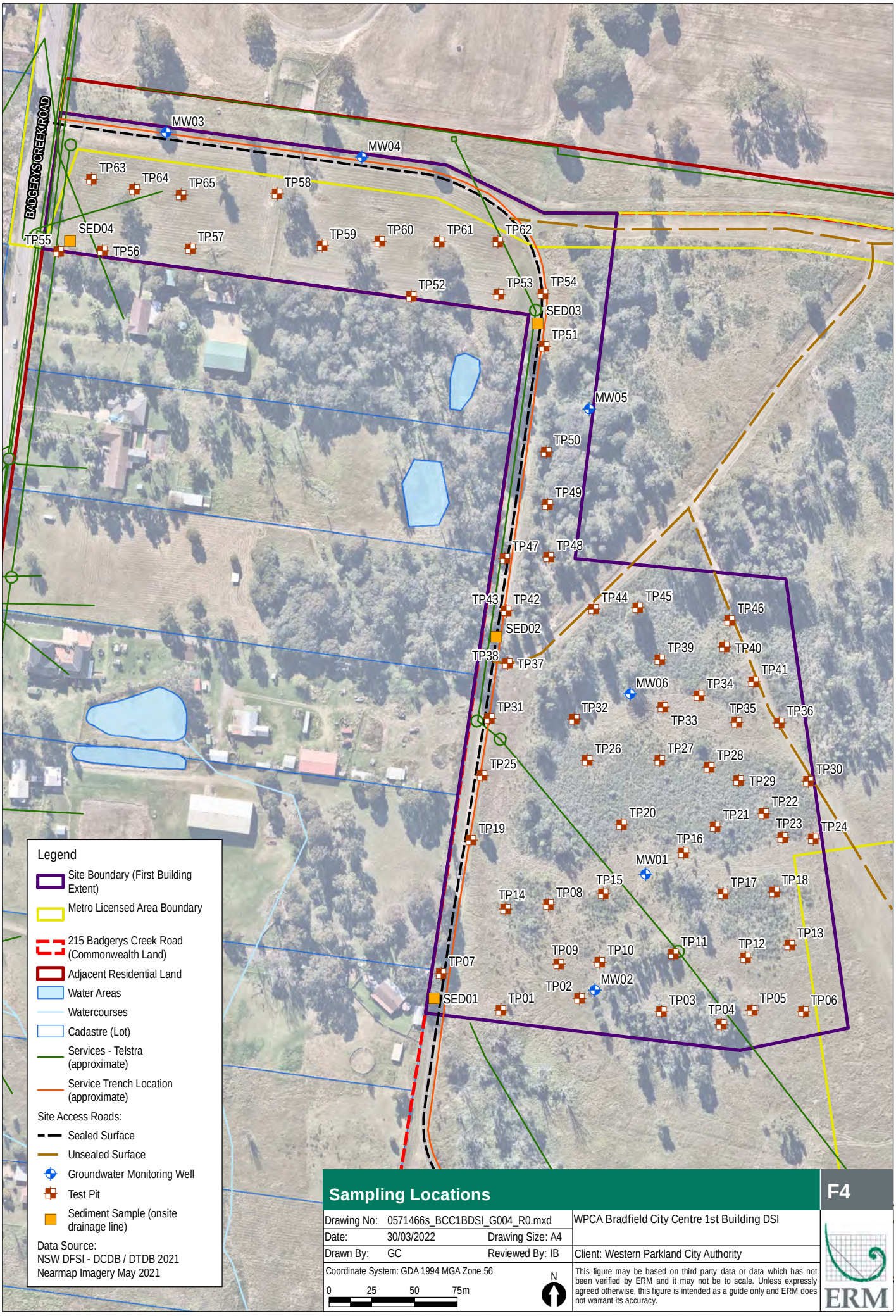
ERM



Sampling Locations

F4

Drawing No: 0571466s_BCC1BDSI_G004_R0.mxd		WPCA Bradfield City Centre 1st Building DSI
Date: 30/03/2022	Drawing Size: A4	
Drawn By: GC	Reviewed By: IB	Client: Western Parkland City Authority

Coordinate System: GDA 1994 MGA Zone 56

0 25 50 75m

N

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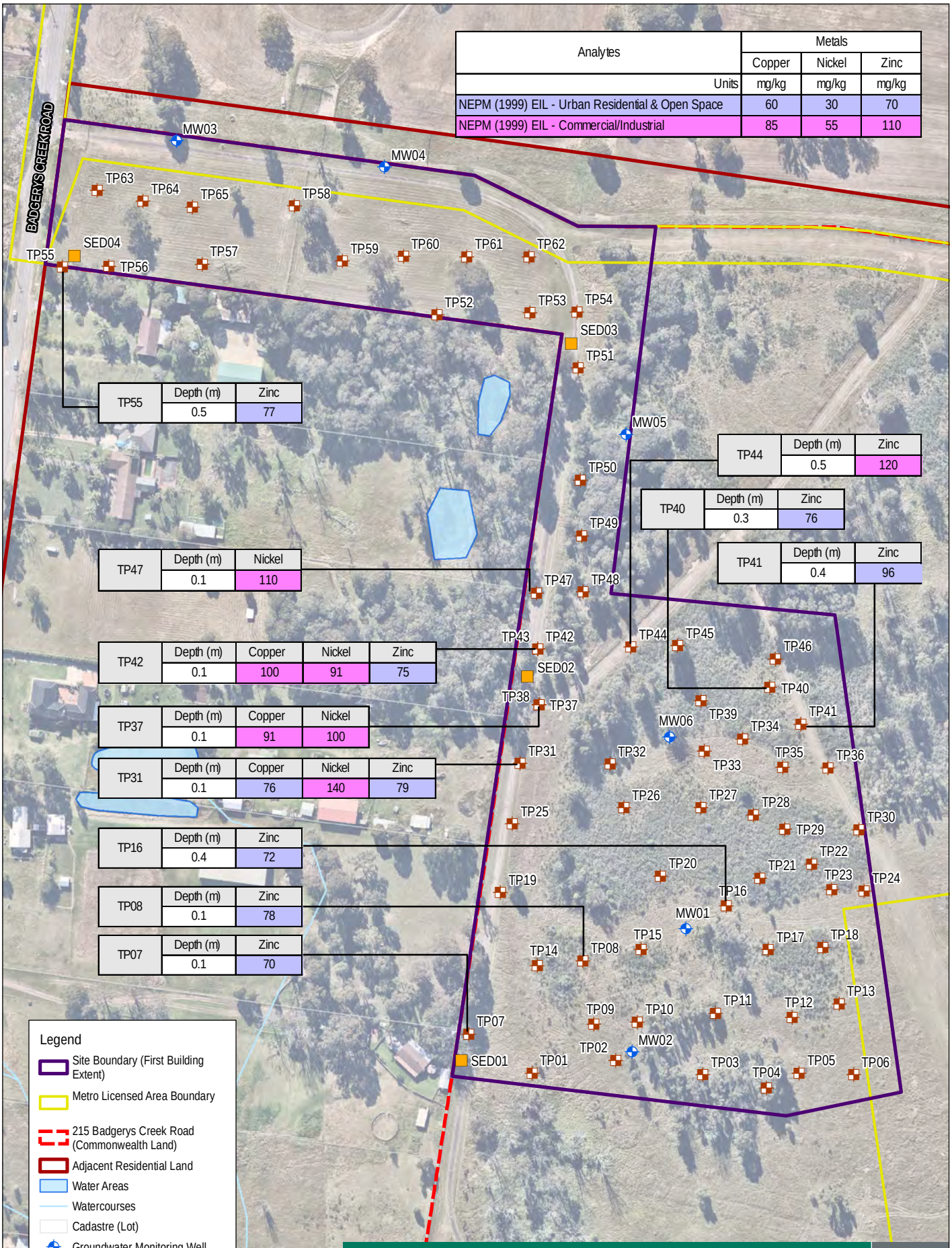
ERM



Analytes	Metals		
	Copper	Nickel	Zinc
Units	mg/kg	mg/kg	mg/kg
NEPM (1999) EIL - Urban Residential & Open Space	60	30	70
NEPM (1999) EIL - Commercial/Industrial	85	55	110

TP55	Depth (m)	Zinc
	0.5	77

TP44	Depth (m)	Zinc
	0.5	120

TP40	Depth (m)	Zinc
	0.3	76

TP41	Depth (m)	Zinc
	0.4	96

TP47	Depth (m)	Nickel
	0.1	110

TP42	Depth (m)	Copper	Nickel	Zinc
	0.1	100	91	75

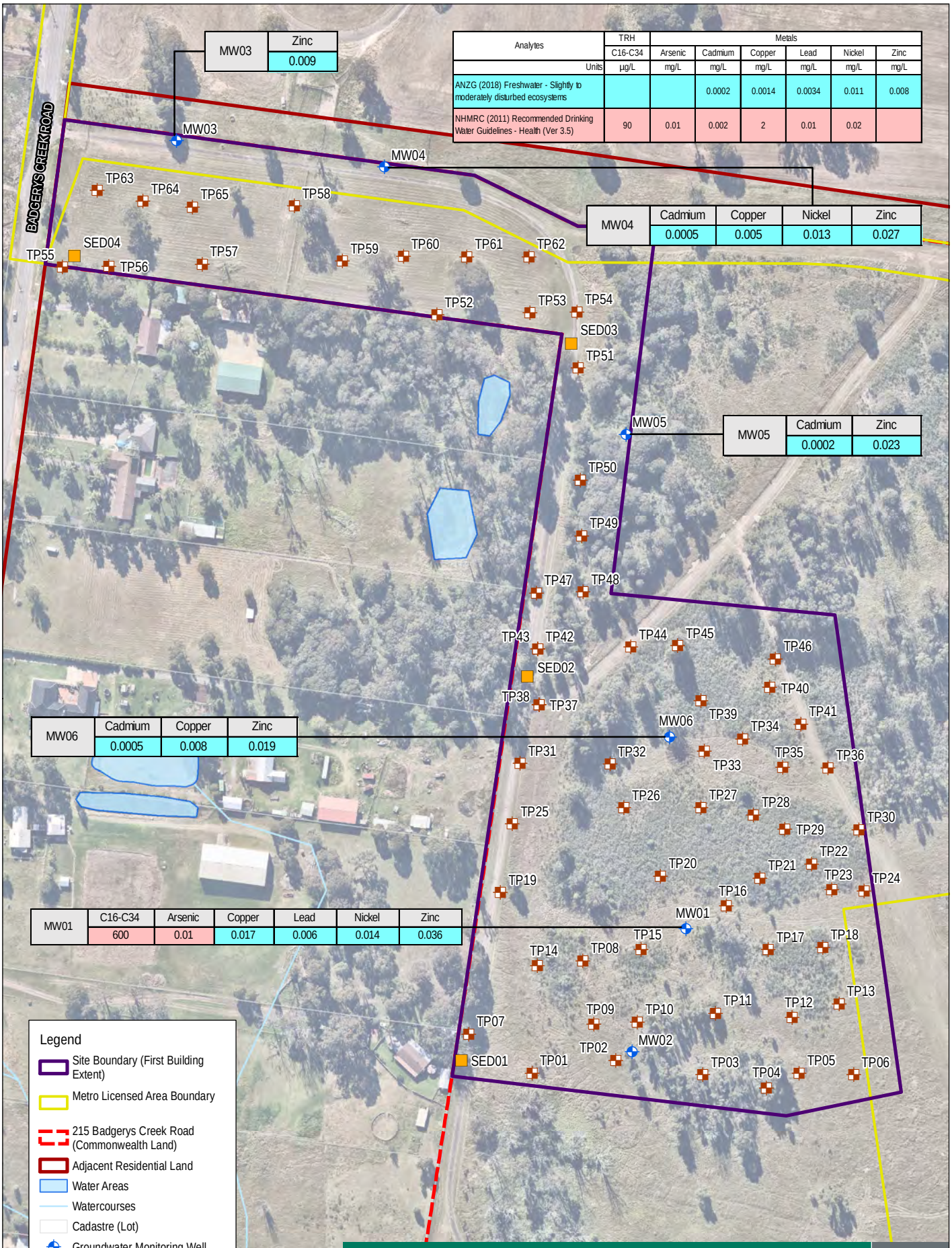
TP37	Depth (m)	Copper	Nickel
	0.1	91	100

TP31	Depth (m)	Copper	Nickel	Zinc
	0.1	76	140	79

TP16	Depth (m)	Zinc
	0.4	72

TP08	Depth (m)	Zinc
	0.1	78

TP07	Depth (m)	Zinc
	0.1	70



MW03	Zinc
	0.009

Analytes	TRH	Metals					
	C16-C34	Arsenic	Cadmium	Copper	Lead	Nickel	Zinc
Units	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZG (2018) Freshwater - Slightly to moderately disturbed ecosystems			0.0002	0.0014	0.0034	0.011	0.008
NHMRC (2011) Recommended Drinking Water Guidelines - Health (Ver 3.5)	90	0.01	0.002	2	0.01	0.02	

MW04	Cadmium	Copper	Nickel	Zinc
	0.0005	0.005	0.013	0.027

MW05	Cadmium	Zinc
	0.0002	0.023

MW06	Cadmium	Copper	Zinc
	0.0005	0.008	0.019

MW01	C16-C34	Arsenic	Copper	Lead	Nickel	Zinc
	600	0.01	0.017	0.006	0.014	0.036

Exceedances – Groundwater

F6

Drawing No: 0571466s_BCC1BDSI_G006_R0.mxd

Date: 29/03/2022 Drawing Size: A4

Drawn By: GC Reviewed By: IB

Coordinate System: GDA 1994 MGA Zone 56

WPCA Bradfield City Centre 1st Building DSI

Client: Western Parkland City Authority

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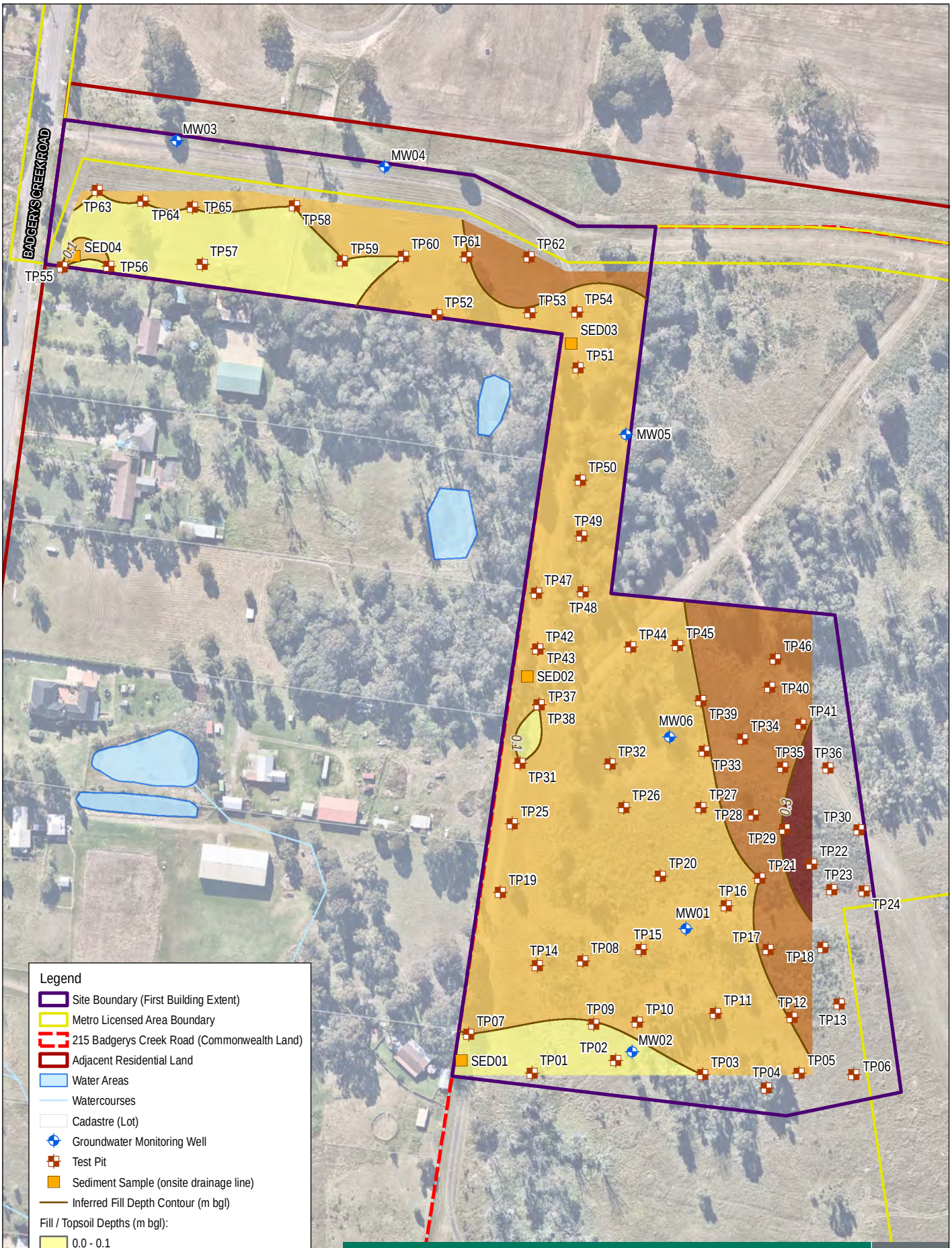
ERM



Fill / Topsoil Thickness

F7

Drawing No: 0571466s_BCC1BDSI_G007_R0.mxd		WPCA Bradfield City Centre 1st Building DSI
Date: 29/03/2022	Drawing Size: A4	
Drawn By: GC	Reviewed By: IB	Client: Western Parkland City Authority

Coordinate System: GDA 1994 MGA Zone 56

0 25 50 75m

N

This figure may be based on third party data or data which has not been verified by ERM and it may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and ERM does not warrant its accuracy.

ERM

APPENDIX B TABLES

		Phenols																SVOC	TRH - (Silica Gel Cleanup)	TRH							Asbestos										BTEX							Herbicides		Inorganics		
		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-chloro-3-methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol	3&4-Methylphenol (m&p-Cresol)	>C10 - C40 Fraction (sum) (SG)	C6-C10	C6-C10 (F1 minus BTEX)	C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	ACM - Comment	AF - Comment	Asbestos Reported Result	Mass ACM	Mass AF	Mass Asbestos in ACM	Mass asbestos in AF	Mass Asbestos in FA	Mass Asbestos in FA & AF	Mass FA	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Total BTEX	Pronamide	Trifluralin	Moisture Content	Moisture Content (dried @ 103°C)	Arsenic
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MG/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Comment	Comment	Comment	g	g	g	g	g	g	g	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	5	0.5	0.5	0.2	0.5	5	0.5	5	1	0.5	0.4	100	10	10	50	50	100	100	50											0.1	0.1	0.1	0.2	0.1	0.3		0.5	0.5		1	2
NEPM (1999) HSL A&B Residential - VI Clay 0 to <1 m																					50		280														0.7	480	NL			110						
NEPM (1999) HSL A&B Residential - VI Clay 1 to <2 m																					90		NL														1	NL	NL			310						
NEPM (1999) HSL C Rec/Open Space - VI Clay 0 to <1 m																					NL		NL														NL	NL	NL			NL						
NEPM (1999) HSL C Rec/Open Space - VI Clay 1 to <2 m																					NL		NL														NL	NL	NL			NL						
NEPM (1999) HSL D Comm/Indust - VI Clay 0 to <1 m																					310		NL														4	NL	NL			NL						
NEPM (1999) HSL D Comm/Indust - VI Clay 1 to <2 m																					480		NL														6	NL	NL			NL						
NEPM (1999) Management Limits - Commercial/Industrial (fine)																				800		1000		5000	10000																							
NEPM (1999) Management Limits - Urban residential & open space (fine)																				800		1000		3500	10000																							
NEPM (1999) HIL A - Residential (garden)																100	3000																															100
NEPM (1999) HSL A Residential - Asbestos																																																
NEPM (1999) HIL C - Recreation																120	40000																															300
NEPM (1999) HSL C Recreation - Asbestos																																																
NEPM (1999) HIL D - Commercial/Industrial																660	240000																															3000
NEPM (1999) HSL D Comm/Indust - Asbestos																																																
NEPM (1999) EIL - Urban Residential & Open Space																																																100
NEPM (1999) ESL - Urban Residential & Open Space (fine)																								1300	5600												65	105	125			45						
NEPM (1999) EIL - Commercial/Industrial																																																160
NEPM (1999) ESL - Commercial/Industrial (fine)																								2500	6600												95	135	185			95						
NEPM (1999) HSL B Residential - Asbestos																																																
Field_ID	**Sampled_Date-Time**																																															
AI_1B_TP02_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	17
AI_1B_TP02_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	21
AI_1B_TP03_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	160	<100	160	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	9.8
AI_1B_TP03_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	12	12
AI_1B_TP04_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	5.2	4.4
AI_1B_TP04_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	2.6	4.9
AI_1B_TP05_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	10
AI_1B_TP05_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	12
AI_1B_TP06_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	5.8	7.9
AI_1B_TP06_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	3.4	6.8
AI_1B_TP09_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	4	7.9
AI_1B_TP09_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	2.9	8.7
AI_1B_TP10_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	3.7	11
AI_1B_TP10_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	2.8	16
AI_1B_TP11_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	4	7.3
AI_1B_TP11_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	61	61	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	5.8	8.3
AI_1B_TP12_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	3.2	8.1
AI_1B_TP12_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	2.1	7.4
AI_1B_TP13_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	4.7	11
AI_1B_TP13_0.3	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	4.8	9.7
AI_1B_TP15_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	22	11
AI_1B_TP15_0.4	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	14	12
AI_1B_TP16_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	22	17
AI_1B_TP16_0.4	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	25	13
AI_1B_TP17_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	25	8.6
AI_1B_TP17_0.4	27/10/2021	-	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	8.4
AI_1B_TP18_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	9.7
AI_1B_TP18_0.4	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	12
AI_1B_TP20_0.1	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	20	14
AI_1B_TP20_0.4	27/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	13
AI_1B_TP31_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	7.9	<2
AI_1B_TP31_0.4	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	24	9.8
AI_1B_TP32_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	14	12
AI_1B_TP32_0.4	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	6.9
AI_1B_TP37_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	8.3	<2
AI_1B_TP37_0.3	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	13
AI_1B_TP42_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	10	<2
AI_1B_TP42_0.3	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	21	11
AI_1B_TP43_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	11
AI_1B_TP43_0.4	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	11
AI_1B_TP44_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	170	<100	170	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	11	4.7
AI_1B_TP44_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	11	6
AI_1B_TP45_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	220	<100	220	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	9.1
AI_1B_TP45_0.4	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	11	7.7
AI_1B_TP47_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	7.2	<2
AI_1B_TP47_0.4	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	8.4
AI_1B_TP48_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	12	13
AI_1B_TP48_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	11
AI_1B_TP49_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	12	13
AI_1B_TP49_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	14	11
AI_1B_TP50_0.05	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	8.1
AI_1B_TP50_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	14
AI_1B_TP51_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	12
AI_1B_TP51_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	9.8
AI_1B_TP52_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	8.6	8.9
AI_1B_TP52_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	24	7.3
AI_1B_TP53_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	12
AI_1B_TP54_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	16
AI_1B_TP54_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	21	15
AI_1B_TP55_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	11
AI_1B_TP55_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	7.8
AI_1B_TP56_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	8.6
AI_1B_TP56_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	20	7.4
AI_1B_TP57_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	10
AI_1B_TP57_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	3
AI_1B_TP59_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	16
AI_1B_TP59_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	4.6
AI_1B_TP60_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	210	<100	210	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	12	24
AI_1B_TP60_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	9
AI_1B_TP61_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	110	<100	110	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	24	16
AI_1B_TP61_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	7.3
AI_1B_TP62_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	17
AI_1B_TP62_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	22	10
AI_1B_TP63_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	21	6.8
AI_1B_TP63_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	12
AI_1B_TP64_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	9.7
AI_1B_TP64_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	2.4
AI_1B_TP65_0.1	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	13
AI_1B_TP65_0.5	25/10/2021	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	3.2
AI_IB_TP03_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-
AI_IB_TP11_0.3	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-
AI_IB_TP44_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
AI_IB_TP45_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-
AI_IB_TP60_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
AI_IB_TP61_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-
IA_IB_TP01_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	24	4.4
IA_IB_TP01_0.5	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	10
IA_IB_TP07_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	12
IA_IB_TP07_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	14
IA_IB_TP08_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	14	11
IA_IB_TP08_0.5	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	9.1
IA_IB_TP14_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	12	13
IA_IB_TP14_0.5	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	13
IA_IB_TP19_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	9.2
IA_IB_TP19_0.5	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	8.3
IA_IB_TP21_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	14	13
IA_IB_TP21_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	12
IA_IB_TP22_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	15	10
IA_IB_TP22_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	8.9
IA_IB_TP23_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	120	<100	120	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	9.8	6.8
IA_IB_TP23_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	10
IA_IB_TP24_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	15
IA_IB_TP24_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	18
IA_IB_TP26_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	11
IA_IB_TP26_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	13
IA_IB_TP27_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	14	13
IA_IB_TP27_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	15
IA_IB_TP28_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	12
IA_IB_TP28_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	20
IA_IB_TP29_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	13
IA_IB_TP29_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	20	13
IA_IB_TP30_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	7.9
IA_IB_TP30_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	13
IA_IB_TP33_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	10	8.9
IA_IB_TP33_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	13
IA_IB_TP34_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	22	6.7
IA_IB_TP34_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	18	7.4
IA_IB_TP35_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	21	11
IA_IB_TP35_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	20	15
IA_IB_TP36_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	11
IA_IB_TP36_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	12
IA_IB_TP38_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	10	11
IA_IB_TP38_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	14	12
IA_IB_TP39_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	13	10
IA_IB_TP39_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	8.2
IA_IB_TP40_0.05	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	19	7.1
IA_IB_TP40_0.3	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	9.8
IA_IB_TP41_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	12	9.1
IA_IB_TP41_0.4	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	17	19
IA_IB_TP46_0.1	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	11	5.7
IA_IB_TP46_0.5	15/02/2022	-	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	-	<20	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	-	<0.5	<0.5	-	16	5.9
Statistical Summary																																																
Number of Results		0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	6	125	125	125	125	125	125	125	63	63	63	63	63	63	63	63	63	63	125	125	125	125	125	125	0	125	125	0	131	125
Number of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	6	0	6	63	63	63	63	63	63	63	63	63	63	0	0	0	0	0	0	0	0	0	0	131	121
Minimum Concentration		99999	<0.5	<1	<1	<0.5	<0.5	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<1	<0.5	<0.4	<100	<20	<20	<50	<50	<100	<100	<100	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	99999	<0.5	<0.5	99999	2.1	<2
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	61	110	ND	110	1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	2.4
Maximum Concentration		0	<0.5	<1	<1	<0.5	<1	<5	<0.5	<0.5	<0.2	<1	<5	<1	<5	<5	<0.5	<0.4	<100	<20	<20	61	61	220	<100	220	1	1	1	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	0	<0.5	<0.5	0	25	24
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	61	220	ND	220	1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	24
Average Concentration			0.25	0.5	0.5	0.25	0.28	2.5	0.25	0.25	0.1	0.5	2.5	0.5	2.5	0.63	0.25	0.2	50	10	10	25	25	56	50	56	1	1	1	0	0	0	0	0	0	0	0.05	0.05	0.05	0.1	0.05	0.15		0.25	0.25		15	10
Median Concentration			0.25	0.5	0.5	0.25	0.25	2.5	0.25	0.25	0.1	0.5	2.5	0.5	2.5	0.5	0.25	0.2	50	10	10	25	25	50	50	50	1	1	1	0	0	0	0	0	0	0	0.05	0.05	0.05	0.1	0.05	0.15		0.25	0.25		16	10
Standard Deviation			0	0	0	0	0.086	0	0	0	0	0	0	0	0	0.49	0	0	0	0	0	3.2	3.2	26	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		5.3	4
Number of Guideline Exceedances		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ERM

		Metals							PAH																										Pesticides							Phthalates							
		Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzo(b+j+k)fluoranthene	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	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	Chlorobenzilate	Carbazole	Demeton-S-methyl	Fenamiphos	Parathion	Pirimiphos-methyl	Pirimiphos-ethyl	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	2-(acetylamino) fluorene	3,3-Dichlorobenzidine
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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		0.4	2	5	5	0.1	2	5		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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		5	0.5	0.5	0.5	0.5	0.5		0.5
NEPM (1999) HSL A&B Residential - VI Clay 0 to <1 m																												5																					
NEPM (1999) HSL A&B Residential - VI Clay 1 to <2 m																												NL																					
NEPM (1999) HSL C Rec/Open Space - VI Clay 0 to <1 m																												NL																					
NEPM (1999) HSL C Rec/Open Space - VI Clay 1 to <2 m																												NL																					
NEPM (1999) HSL D Comm/Indust - VI Clay 0 to <1 m																												NL																					
NEPM (1999) HSL D Comm/Indust - VI Clay 1 to <2 m																												NL																					
NEPM (1999) Management Limits - Commercial/Industrial (fine)																																																	
NEPM (1999) Management Limits - Urban residential & open space (fine)																																																	
NEPM (1999) HIL A - Residential (garden)		20	100	6000	300	40	400	7400																									3	300															
NEPM (1999) HSL A Residential - Asbestos																																																	
NEPM (1999) HIL C - Recreation		90	300	17000	600	80	1200	30000																									3	300															
NEPM (1999) HSL C Recreation - Asbestos																																																	
NEPM (1999) HIL D - Commercial/Industrial		900	3600	240000	1500	730	6000	400000																									40	4000															
NEPM (1999) HSL D Comm/Indust - Asbestos																																																	
NEPM (1999) EIL - Urban Residential & Open Space			190	60	1100		30	70																				170																					
NEPM (1999) ESL - Urban Residential & Open Space (fine)																			0.7																														
NEPM (1999) EIL - Commercial/Industrial			310	85	1800		55	110																				370																					
NEPM (1999) ESL - Commercial/Industrial (fine)																			0.7																														
NEPM (1999) HSL B Residential - Asbestos																																																	
Field_ID	**Sampled_Date-Time**																																																
AI_1B_TP02_0.1	27/10/2021	<0.4	29	23	30	<0.1	15	62	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP02_0.3	27/10/2021	<0.4	34	25	40	<0.1	13	55	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP03_0.1	27/10/2021	<0.4	20	16	23	<0.1	11	48	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP03_0.3	27/10/2021	<0.4	23	21	10	<0.1	7.1	37	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP04_0.1	27/10/2021	<0.4	9.8	9.1	9.3	<0.1	5.5	18	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP04_0.3	27/10/2021	<0.4	11	13	7.9	<0.1	<5	18	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP05_0.1	27/10/2021	<0.4	26	20	24	<0.1	13	46	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP05_0.3	27/10/2021	<0.4	22	25	26	<0.1	8.5	37	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP06_0.1	27/10/2021	<0.4	20	14	18	<0.1	9.9	27	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP06_0.3	27/10/2021	<0.4	18	17	12	<0.1	8	32	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP09_0.1	27/10/2021	<0.4	19	15	21	<0.1	12	45	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP09_0.3	27/10/2021	<0.4	23	18	16	<0.1	7.9	37	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP10_0.1	27/10/2021	<0.4	26	15	22	<0.1	9.6	36	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP10_0.3	27/10/2021	<0.4	40	20	32	<0.1	11	43	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP11_0.1	27/10/2021	<0.4	20	15	18	<0.1	12	36	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP11_0.3	27/10/2021	<0.4	17	24	13	<0.1	6.6	33	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP12_0.1	27/10/2021	<0.4	18	15	18	<0.1	9.5	30	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP12_0.3	27/10/2021	<0.4	19	25	15	<0.1	8.6	36	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP13_0.1	27/10/2021	<0.4	23	13	19	<0.1	9.5	31	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP13_0.3	27/10/2021	<0.4	19	19	14	<0.1	6.9	29	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP15_0.1	27/10/2021	<0.4	25	19	25	<0.1	12	53	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP15_0.4	27/10/2021	<0.4	27	23	27	<0.1	13	50	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP16_0.1	27/10/2021	<0.4	28	24	39	<0.1	17	65	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP16_0.4	27/10/2021	<0.4	26	38	19	<0.1	21	72	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP17_0.1	27/10/2021	<0.4	15	17	20	<0.1	9.1	42	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP17_0.4	27/10/2021	<0.4	22	28	16	<0.1	6.4	30	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP18_0.1	27/10/2021	<0.4	17	16	19	<0.1	15	36	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP18_0.4	27/10/2021	<0.4	23	22	19	<0.1	12	32	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP20_0.1	27/10/2021	<0.4	21	24	30	<0.1	20	51	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP20_0.4	27/10/2021	<0.4	26	30	22	<0.1	20	69	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP31_0.1	25/10/2021	<0.4	51	76	<5	<0.1	140	79	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP31_0.4	25/10/2021	<0.4	35	17	14	<0.1	11	24	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP32_0.1	25/10/2021	<0.4	38	15	23	<0.1	9.9	30	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP32_0.4	25/10/2021	<0.4	28	15	15	<0.1	6.6	24	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP37_0.1	25/10/2021	<0.4	24	91	<5	<0.1	100	68	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP37_0.3	25/10/2021	<0.4	47	21	25	<0.1	10	37	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP42_0.1	25/10/2021	<0.4	21	100	<5	<0.1	91	75	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP42_0.3	25/10/2021	<0.4	38	24	22	<0.1	10	43	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP43_0.1	25/10/2021	<0.4	33	13	23	<0.1	8.5	29	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP43_0.4	25/10/2021	<0.4	33	19	18	<0.1	6.3	28	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP44_0.1	25/10/2021	<0.4	13	16	15	<0.1	9.9	44	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP44_0.5	25/10/2021	<0.4	24	49	21	<0.1	25	120	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP45_0.1	25/10/2021	<0.4	30	18	24	<0.1	11	58	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP45_0.4	25/10/2021	<0.4	20	33	17	<0.1	16	65	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP47_0.1	25/10/2021	<0.4	53	50	<5	<0.1	110	67	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP47_0.4	25/10/2021	<0.4	28	14	14	<0.1	5.4	20	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP48_0.1	25/10/2021	<0.4	38	19	26	<0.1	6.9	30	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP48_0.5	25/10/2021	<0.4	23	20	18	<0.1	<5	21	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP49_0.1	25/10/2021	<0.4	45	21	25	<0.1	22	37	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP49_0.5	25/10/2021	<0.4	33	17	20	<0.1	5.7	21	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP50_0.05	25/10/2021	<0.4	25	19	20	<0.1	13	32	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP50_0.5	25/10/2021	<0.4	25	26	20	<0.1	11	45	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP51_0.1	25/10/2021	<0.4	30	19	30	<0.1	11	58	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP51_0.5	25/10/2021	<0.4	26	12	18	<0.1	<5	17	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP52_0.1	25/10/2021	<0.4	22	11	16	<0.1	5.3	15	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP52_0.5	25/10/2021	0.6	18	14	14	0.1	<5	16	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP53_0.1	25/10/2021	0.4	29	15	23	0.1	7.2	20	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP54_0.1	25/10/2021	<0.4	36	17	30	<0.1	14	41	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP54_0.5	25/10/2021	<0.4	31	28	22	<0.1	9.2	39	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP55_0.1	25/10/2021	<0.4	28	25	25	<0.1	11	63	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP55_0.5	25/10/2021	<0.4	15	54	14	<0.1	12	77	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP56_0.1	25/10/2021	<0.4	25	14	23	<0.1	7.4	24	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP56_0.5	25/10/2021	<0.4	16	17	14	<0.1	<5	27	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP57_0.1	25/10/2021	<0.4	30	17	21	<0.1	10	28	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP57_0.5	25/10/2021	<0.4	11	14	9.1	<0.1	<5	18	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP59_0.1	25/10/2021	<0.4	36	19	24	<0.1	7.6	27	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP59_0.5	25/10/2021	<0.4	17	38	14	<0.1	8.9	42	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP60_0.1	25/10/2021	<0.4	46	14	27	<0.1	6.7	38	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP60_0.5	25/10/2021	<0.4	19	17	14	<0.1	<5	16	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP61_0.1	25/10/2021	<0.4	40	18	29	<0.1	9.1	36	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP61_0.5	25/10/2021	<0.4	19	17	12	<0.1	<5	17	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP62_0.1	25/10/2021	<0.4	41	13	27	<0.1	11	32	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP62_0.5	25/10/2021	<0.4	24	19	16	<0.1	<5	23	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP63_0.1	25/10/2021	<0.4	14	13	22	<0.1	11	47	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP63_0.5	25/10/2021	<0.4	19	20	14	<0.1	9.3	46	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP64_0.1	25/10/2021	<0.4	28	13	18	<0.1	7.3	23	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP64_0.5	25/10/2021	<0.4	11	20	13	<0.1	6.6	33	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP65_0.1	25/10/2021	<0.4	29	18	26	<0.1	8.5	29	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_1B_TP65_0.5	25/10/2021	<0.4	9.6	19	11	<0.1	<5	23	-	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
AI_IB_TP03_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AI_IB_TP11_0.3	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AI_IB_TP44_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AI_IB_TP45_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AI_IB_TP60_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AI_IB_TP61_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IA_IB_TP01_0.1	15/02/2022	<0.4	10	13	17	<0.1	6.8	48	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP01_0.5	15/02/2022	<0.4	23	21	16	<0.1	13	50	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP07_0.1	15/02/2022	<0.4	34	28	23	<0.1	13	70	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP07_0.4	15/02/2022	<0.4	40	23	25	<0.1	9.2	46	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP08_0.1	15/02/2022	<0.4	17	27	29	<0.1	18	78	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP08_0.5	15/02/2022	<0.4	16	23	17	<0.1	14	55	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP14_0.1	15/02/2022	<0.4	33	19	26	<0.1	13	49	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP14_0.5	15/02/2022	<0.4	32	29	23	<0.1	13	60	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP19_0.1	15/02/2022	<0.4	29	18	24	<0.1	13	49	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP19_0.5	15/02/2022	<0.4	29	21	23	<0.1	12	32	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP21_0.1	15/02/2022	<0.4	20	18	25	<0.1	10	31	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP21_0.3	15/02/2022	<0.4	21	26	19	<0.1	13	51	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP22_0.1	15/02/2022	<0.4	18	12	18	<0.1	7.2	24	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP22_0.4	15/02/2022	<0.4	19	19	13	<0.1	7.4	34	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP23_0.1	15/02/2022	<0.4	14	15	16	<0.1	7.5	35	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP23_0.3	15/02/2022	<0.4	19	22	16	<0.1	7.7	33	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP24_0.1	15/02/2022	<0.4	29	22	26	<0.1	11	47	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP24_0.4	15/02/2022	<0.4	36	33	29	<0.1	14	63	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP26_0.1	15/02/2022	<0.4	15	20	22	<0.1	12	35	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP26_0.4	15/02/2022	<0.4	22	23	20	<0.1	16	48	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP27_0.1	15/02/2022	<0.4	24	21	25	<0.1	12	42	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP27_0.3	15/02/2022	<0.4	26	34	22	<0.1	19	67	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP28_0.1	15/02/2022	<0.4	19	25	21	<0.1	16	62	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP28_0.3	15/02/2022	<0.4	19	20	16	<0.1	7.1	35	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP29_0.1	15/02/2022	<0.4	22	19	23	<0.1	16	37	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP29_0.4	15/02/2022	<0.4	25	18	17	<0.1	13	43	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP30_0.1	15/02/2022	<0.4	15	16	18	<0.1	6.6	44	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP30_0.3	15/02/2022	<0.4	22	32	18	<0.1	10	51	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP33_0.1	15/02/2022	<0.4	22	19	24	<0.1	14	45	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP33_0.4	15/02/2022	<0.4	22	25	15	<0.1	10	52	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP34_0.1	15/02/2022	<0.4	20	18	26	<0.1	14	53	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP34_0.4	15/02/2022	<0.4	25	23	24	<0.1	16	55	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP35_0.1	15/02/2022	<0.4	25	22	28	<0.1	18	46	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP35_0.4	15/02/2022	<0.4	31	33	30	<0.1	20	67	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP36_0.1	15/02/2022	<0.4	18	16	23	<0.1	11	28	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP36_0.3	15/02/2022	<0.4	23	28	20	<0.1	13	49	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP38_0.1	15/02/2022	<0.4	35	14	24	<0.1	9.3	31	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP38_0.4	15/02/2022	<0.4	43	18	24	<0.1	10	34	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP39_0.1	15/02/2022	<0.4	21	24	24	<0.1	13	62	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP39_0.3	15/02/2022	<0.4	17	24	16	<0.1	8	38	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP40_0.05	15/02/2022	<0.4	17	19	24	<0.1	14	36	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP40_0.3	15/02/2022	<0.4	24	30	19	<0.1	21	76	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP41_0.1	15/02/2022	<0.4	24	21	20	<0.1	14	50	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP41_0.4	15/02/2022	<0.4	28	48	16	<0.1	23	96	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP46_0.1	15/02/2022	<0.4	14	17	24	<0.1	14	48	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
IA_IB_TP46_0.5	15/02/2022	<0.4	20	24	19	<0.1	17	52	-	<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	0.6	1.2	<0.5	<0.5	-	-	-	-	<0.2	<0.2	-	<5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5

Statistical Summary

		Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Benzo(b+j+k)fluoranthene	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	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	Chlorobenzilate	Carbazole	Demeton-S-methyl	Fenamiphos	Parathion	Pirimiphos-methyl	Pirimiphos-ethyl	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	2-(acetylamino) fluorene	3,3-Dichlorobenzidine
Number of Results		125	125	125	125	125	125	125	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	0	0	0	0	125	125	0	125	125	125	125	125	125	0	125
Number of Detects		2	125	125	121	2	115	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		<0.4	9.6	9.1	<5	<0.1	<5	15	99999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	<0.5	99999	99999	99999	99999	<0.2	<0.2	99999	<5	<0.5	<0.5	<0.5	<0.5	<0.5	99999	<0.5
Minimum Detect		0.4	9.6	9.1	7.9	0.1	5.3	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration		0.6	53	100	40	0.1	140	120	0	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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	0	0	0	<0.2	<0.2	0	<5	<0.5	<0.5	<0.5	<0.5	<0.5	0	<0.5
Maximum Detect		0.6	53	100	40	0.1	140	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration		0.2	25	23	20	0.051	14	43		0.25	0.25	0.25	0.25	0.63	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.6	1.2	0.25	0.25					0.1	0.1		2.5	0.25	0.25	0.25	0.25	0.25		0.25
Median Concentration		0.2	23	19	20	0.05	11	39		0.25	0.25	0.25	0.25	0.5	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.6	1.2	0.25	0.25					0.1	0.1		2.5	0.25	0.25	0.25	0.25	0.25		0.25
Standard Deviation		0.04	8.8	13	6.5	0.0063	18	18		0	0	0	0	0.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					0	0		0	0	0	0	0	0		0
Number of Guideline Exceedances		0	0	3	0	0	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)		0	0	3	0	0	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		SVOCs															TPH												VOCs			
		4-(dimethylamino) azobenzene	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	4-Nitroquinoline-N-oxide	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Methapyrilene	N-nitrosomorpholine	N-nitrosopiperidine	N-nitrosopyrrolidine	Phenacetin	TPH C10-C14 Fraction after Silica Cleanup	TPH C15-C28 Fraction after Silica Cleanup	TPH C29-C36 Fraction after Silica Cleanup	TRH >C10-C16 (after silica gel clean-up)	TRH >C16-C34 (after silica gel clean-up)	TRH >C34-C40 (after silica gel clean-up)	TRH C10-C36 (Total) (after silica gel clean-up)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Dibenz(a,j)acridine	Pentachloroethane
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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			50	100	100	50	100	100	100	10	20	50	50	50			0.5	
NEPM (1999) HSL A&B Residential - VI Clay 0 to <1 m																																
NEPM (1999) HSL A&B Residential - VI Clay 1 to <2 m																																
NEPM (1999) HSL C Rec/Open Space - VI Clay 0 to <1 m																																
NEPM (1999) HSL C Rec/Open Space - VI Clay 1 to <2 m																																
NEPM (1999) HSL D Comm/Indust - VI Clay 0 to <1 m																																
NEPM (1999) HSL D Comm/Indust - VI Clay 1 to <2 m																																
NEPM (1999) Management Limits - Commercial/Industrial (fine)																																
NEPM (1999) Management Limits - Urban residential & open space (fine)																																
NEPM (1999) HIL A - Residential (garden)																																
NEPM (1999) HSL A Residential - Asbestos																																
NEPM (1999) HIL C - Recreation																																
NEPM (1999) HSL C Recreation - Asbestos																																
NEPM (1999) HIL D - Commercial/Industrial																																
NEPM (1999) HSL D Comm/Indust - Asbestos																																
NEPM (1999) EIL - Urban Residential & Open Space																																
NEPM (1999) ESL - Urban Residential & Open Space (fine)																																
NEPM (1999) EIL - Commercial/Industrial																																
NEPM (1999) ESL - Commercial/Industrial (fine)																																
NEPM (1999) HSL B Residential - Asbestos																																
Field_ID	**Sampled_Date-Time**																															
AI_1B_TP02_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP02_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP03_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	74	120	194	-	-	<0.5	-
AI_1B_TP03_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP04_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP04_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP05_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP05_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP06_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP06_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP09_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP09_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP10_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP10_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP11_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP11_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	36	83	<50	119	-	-	<0.5	-
AI_1B_TP12_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP12_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP13_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP13_0.3	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP15_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP15_0.4	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP16_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP16_0.4	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP17_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP17_0.4	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP18_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP18_0.4	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP20_0.1	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP20_0.4	27/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP31_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP31_0.4	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP32_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP32_0.4	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP37_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP37_0.3	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP42_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP42_0.3	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP43_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	54	54	-	-	<0.5	-
AI_1B_TP43_0.4	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP44_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	74	63	137	-	-	<0.5	-
AI_1B_TP44_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP45_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	97	110	207	-	-	<0.5	-
AI_1B_TP45_0.4	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP47_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP47_0.4	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP48_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP48_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP49_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP49_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP50_0.05	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP50_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP51_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP51_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP52_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP52_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP53_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP54_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP54_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP55_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	54	54	-	-	<0.5	-
AI_1B_TP55_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP56_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP56_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP57_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP57_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP59_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	54	54	-	-	<0.5	-
AI_1B_TP59_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP60_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	120	130	250	-	-	<0.5	-
AI_1B_TP60_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP61_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	53	77	130	-	-	<0.5	-
AI_1B_TP61_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP62_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP62_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP63_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP63_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP64_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP64_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP65_0.1	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_1B_TP65_0.5	25/10/2021	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
AI_IB_TP03_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	<100	<100	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-
AI_IB_TP11_0.3	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	<100	<100	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-
AI_IB_TP44_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	<100	<100	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-
AI_IB_TP45_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	<100	<100	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-
AI_IB_TP60_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	<100	<100	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-
AI_IB_TP61_0.1	27/10/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	<100	<100	<50	<100	<100	<100	-	-	-	-	-	-	-	-	-
IA_IB_TP01_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP01_0.5	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP07_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	69	69	-	-	<0.5	-
IA_IB_TP07_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP08_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP08_0.5	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP14_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP14_0.5	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP19_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP19_0.5	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP21_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP21_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP22_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP22_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP23_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	61	64	125	-	-	<0.5	-
IA_IB_TP23_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP24_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP24_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP26_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP26_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP27_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP27_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP28_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	54	54	-	-	<0.5	-
IA_IB_TP28_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP29_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP29_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP30_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP30_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP33_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP33_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP34_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP34_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP35_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP35_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP36_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP36_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP38_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	52	52	-	-	<0.5	-
IA_IB_TP38_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP39_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP39_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP40_0.05	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP40_0.3	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP41_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP41_0.4	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP46_0.1	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-
IA_IB_TP46_0.5	15/02/2022	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	-	-	<0.5	-

Statistical Summary

Number of Results		125	125	125	0	0	125	0	125	125	0	0	0	125	0	0	6	6	6	6	6	6	6	125	125	125	125	125	0	0	125	0
Number of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	12	13	0	0	0	0
Minimum Concentration		<0.5	<0.5	<0.5	99999	99999	<0.5	99999	<0.5	<0.5	99999	99999	99999	<0.5	99999	99999	<50	<100	<100	<50	<100	<100	<100	<20	<20	<50	<50	<50	99999	99999	<0.5	99999
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	53	52	52	ND	ND	ND	ND
Maximum Concentration		<0.5	<0.5	<0.5	0	0	<0.5	0	<0.5	<0.5	0	0	0	<0.5	0	0	<50	<100	<100	<50	<100	<100	<100	<20	36	120	130	250	0	0	<0.5	0
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	120	130	250	ND	ND	ND	ND
Average Concentration		0.25	0.25	0.25			0.25		0.25	0.25				0.25			25	50	50	25	50	50	50	10	10	28	30	34			0.25	
Median Concentration		0.25	0.25	0.25			0.25		0.25	0.25				0.25			25	50	50	25	50	50	50	10	10	25	25	25			0.25	
Standard Deviation		0	0	0			0		0	0				0			0	0	0	0	0	0	0	0	2.3	14	17	35			0	
Number of Guideline Exceedances		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Per- and Polyfluoroalkyl Subst

Field_ID	Sampled_Date-Time	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorononanesulfonic acid (PFNS)	Perfluorooctanesulfonic acid (PFOS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoropropanesulfonic acid (PFPrS)	N-ethyl perfluorooctane sulfonamide (NEtFOSA)	N-ethyl-perfluorooctanesulfonamidoacetic acid	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE	N-methyl perfluorooctane sulfonamide (NMeFOSA)	N-methylperfluorooctane sulfonamidoacetic acid	N-methylperfluorooctanesulfonamidoethanol	Perfluorooctane sulfonamide (PFOSA)	Sum of PFAS	Sum of PFHxS and PFOS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*
		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	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
EQL		0.5	0.5	0.5	0.5	1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	5	0.2	0.2	5	0.5	0.2	0.5	0.5	0.2	0.5	0.2	0.2	0.2	0.2	5	5
NEPM (1999) HIL A - Residential (garden)																																				
NEMP (2020) HIL A - Residential with garden/accessible soil												100								10		10											10			
NEPM (1999) HIL C - Recreation																																				
NEMP (2020) HIL C - Public open space												10000								1000		1000											1000			
NEPM (1999) HIL D - Commercial/Industrial																																				
NEMP (2020) HIL D - Industrial/ commercial												50000								20000		20000											20000			
NEPM (1999) EIL - Urban Residential & Open Space																																				
NEPM (1999) EIL - Commercial/Industrial																																				
NEMP (2020) Ecological (direct exposure)												10000										1000														
NEMP (2020) Ecological (indirect exposure)																						10														
NEMP (2020) HIL B - Residential with minimal opportunities for soil access												20000								2000		2000											2000			
NEPM 1999 EIL																																				
NEPM 1999 HIL A																																				
B NEPM 1999 HIL D																																				
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Organochlorine Pesticides

Field_ID	Sampled_Date-Time	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.05	0.05	0.05	0.05	0.05	0.05			0.05	0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05	0.05	0.05
NEPM (1999) HIL A - Residential (garden)							6		50						240		270				10		
NEMP (2020) HIL A - Residential with garden/accessible soil																							
NEPM (1999) HIL C - Recreation							10		70						400		340				20		
NEMP (2020) HIL C - Public open space																							
NEPM (1999) HIL D - Commercial/Industrial							45		530						3600		2000				100		
NEMP (2020) HIL D - Industrial/ commercial																							
NEPM (1999) EIL - Urban Residential & Open Space														180									
NEPM (1999) EIL - Commercial/Industrial														640									
NEMP (2020) Ecological (direct exposure)																							
NEMP (2020) Ecological (indirect exposure)																							
NEMP (2020) HIL B - Residential with minimal opportunities for soil access																							
NEPM 1999 EIL																							
NEPM 1999 HIL A							10		50						200								
B NEPM 1999 HIL D							40		200						800								
AI_1B_TP02_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP02_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP03_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP03_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP04_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP04_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP05_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP05_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP06_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP06_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP09_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP09_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP10_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP10_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP11_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP11_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP12_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP12_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP13_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP13_0.3	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP15_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP15_0.4	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP16_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP16_0.4	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP17_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP17_0.4	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP18_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP18_0.4	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP20_0.1	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP20_0.4	27/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP31_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP31_0.4	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP32_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP32_0.4	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP37_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP37_0.3	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP42_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP42_0.3	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP43_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP43_0.4	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP44_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP44_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP45_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP45_0.4	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP47_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP47_0.4	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP48_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP48_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP49_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP49_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP50_0.05	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP50_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP51_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP51_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP52_0.1	25/10/2021	<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	<0.05	<0.5 - 0.06	<0.05
AI_1B_TP52_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP53_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP54_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP54_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP55_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP55_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP56_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP56_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP57_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP57_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP59_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP59_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP60_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP60_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP61_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP61_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP62_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP62_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP63_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP63_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP64_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP64_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP65_0.1	25/10/2021	<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	<0.05	<0.05	<0.05
AI_1B_TP65_0.5	25/10/2021	<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	<0.05	<0.05	<0.05
IA_IB_TP01_0.1	15/02/2022	<0.1	<0.1	<0.05	<0.05	<0.05	0.09	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.5 - 0.09	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IA_IB_TP01_0.5	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP07_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP07_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP08_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP08_0.5	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP14_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP14_0.5	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP19_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP19_0.5	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP21_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP21_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP22_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP22_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP23_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP23_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP24_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP24_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP26_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP26_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP27_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP27_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP28_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP28_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP29_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP29_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP30_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP30_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP33_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP33_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP34_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP34_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP35_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP35_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP36_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP36_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP38_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP38_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP39_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP39_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP40_0.05	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP40_0.3	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP41_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP41_0.4	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP46_0.1	15/02/2022	<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	<0.05	<0.05	<0.05
IA_IB_TP46_0.5	15/02/2022	<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	<0.05	<0.05	<0.05

Statistical Summary

Statistic	10:2 FTS	4:2 FTS	6:2 FTS	8:2 FTS	PFBA	PFDA	PFDoDA	PFHpA	PFHxA	PFNA	PFOA	PFPeA	PFTeDA	PFTrDA	PFUnDA	PFBS	PFDS	PFHpS	PFHxS	PFNS	PFOS	PFPeS	PFPrS	NEtFOSA	N-ethyl-perfluorooctanesulfonamidoacetic acid	NEtFOSE	NMeFOSA	N-methylperfluorooctane sulfonamidoacetic acid	N-methylperfluorooctanesulfonamidoethanol	PFOSA	Sum of PFAS	Sum of PFHxS and PFOS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS	Sum of US EPA PFAS
Number of Results	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Minimum Concentration	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	<5	<10	<5	<5
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	5.7	5.7
Maximum Concentration	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.7	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	5.7	<10	5.7	5.7
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	5.7	5.7
Average Concentration	2.5	2.5	5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5	2.5	2.5	5	2.5	2.5	25	2.5	5	2.5	2.5
Median Concentration	2.5	2.5	5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5	2.5	2.5	5	2.5	2.5	25	2.5	5	2.5	2.5
Standard Deviation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0.29	0	0.29	0.29
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Statistic	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone
Number of Results	125	125	125	125	125	125	125	125	0	0	125	125	125	125	125	0	125	125	125	125	125	125
Number of Detects	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Minimum Concentration	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	99999	99999	<0.05	<0.05	<0.05	<0.05	<0.05	99999	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum Detect	ND	ND	ND	ND	ND	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.1	<0.1	<0.05	<0.05	<0.05	0.09	<0.05	<0.1	0	0	<0.05	<0.05	<0.05	<0.05	0.09	0	<0.05	<0.05	<0.05	<0.05	0.06	<0.05
Maximum Detect	ND	ND	ND	ND	ND	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.09	ND	ND	ND	ND	ND	0.06	ND
Average Concentration	0.05	0.05	0.025	0.025	0.025	0.026	0.025	0.05			0.025	0.025	0.025	0.025	0.026		0.025	0.025	0.025	0.025	0.026	0.025
Median Concentration	0.05	0.05	0.025	0.025	0.025	0.025	0.025	0.05			0.025	0.025	0.025	0.025	0.025		0.025	0.025	0.025	0.025	0.025	0.025
Standard Deviation	0	0	0	0	0	0.006	0	0			0	0	0	0	0.013		0	0	0	0	0.012	0
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

							Organophosphorous Pesticides																																		
		g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	EPN	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Prothiofos	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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	0.5	0.2	0.05	0.2			0.05	0.05	0.05	2	0.2	0.2	0.05	0.05	0.05	0.2	0.05	0.2	0.2	0.2	0.05	0.2	0.05	0.2	0.2	0.2	0.2	0.2	2	0.2		0.2	0.2	0.2	0.2	0.2
NEPM (1999) HIL A - Residential (garden)			6		300	20							160																												
NEMP (2020) HIL A - Residential with garden/ac																																									
NEPM (1999) HIL C - Recreation			10		400	30							250																												
NEMP (2020) HIL C - Public open space																																									
NEPM (1999) HIL D - Commercial/Industrial			50		2500	160							2000																												
NEMP (2020) HIL D - Industrial/ commercial																																									
NEPM (1999) EIL - Urban Residential & Open Sp																																									
NEPM (1999) EIL - Commercial/Industrial																																									
NEMP (2020) Ecological (direct exposure)																																									
NEMP (2020) Ecological (indirect exposure)																																									
NEMP (2020) HIL B - Residential with minimal o																																									
NEPM 1999 EIL																																									
NEPM 1999 HIL A			10																																						
B NEPM 1999 HIL D			40																																						
Field_ID	**Sampled_Date-Time**																																								
AI_1B_TP02_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP02_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP03_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP03_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP04_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP04_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP05_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP05_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP06_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP06_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP09_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP09_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP10_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP10_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP11_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP11_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP12_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP12_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP13_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP13_0.3	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP15_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP15_0.4	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP16_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP16_0.4	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP17_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP17_0.4	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP18_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP18_0.4	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP20_0.1	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP20_0.4	27/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP31_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP31_0.4	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP32_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP32_0.4	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP37_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP37_0.3	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP42_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP42_0.3	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP43_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP43_0.4	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP44_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP44_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP45_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP45_0.4	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP47_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP47_0.4	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP48_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP48_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP49_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP49_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP50_0.05	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP50_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP51_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP51_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP52_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP52_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP53_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP54_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP54_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP55_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP55_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP56_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP56_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP57_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP57_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP59_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP59_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP60_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP60_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP61_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP61_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP62_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP62_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP63_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP63_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP64_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP64_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP65_0.1	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
AI_1B_TP65_0.5	25/10/2021	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP01_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP01_0.5	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP07_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP07_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP08_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP08_0.5	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP14_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP14_0.5	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP19_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP19_0.5	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP21_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP21_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP22_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP22_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP23_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP23_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP24_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP24_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP26_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP26_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP27_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP27_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP28_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP28_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP29_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP29_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP30_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP30_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP33_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP33_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP34_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP34_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP35_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP35_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP36_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP36_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP38_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP38_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP39_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP39_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP40_0.05	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP40_0.3	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP41_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP41_0.4	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP46_0.1	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
IA_IB_TP46_0.5	15/02/2022	<0.05	<0.05	<0.05	<0.05	<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	<2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2

Statistical Summary

Number of Results	125	125	125	125	125	125	125	125	0	0	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	0	125	125	125	125	125
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	<0.2	99999	99999	<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	<2	<0.2	<2	<0.2	99999	<0.2	<0.2	<0.2	<0.2	<0.2
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	<0.2	0	0	<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	<2	<0.2	<2	<0.2	0	<0.2	<0.2	<0.2	<0.2	<0.2
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration	0.025	0.025	0.025	0.025	0.25	0.1	0.1	0.1			0.1	0.1	0.1	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	1	0.1	1	0.1		0.1	0.1	0.1	0.1	0.1
Median Concentration	0.025	0.025	0.025	0.025	0.25	0.1	0.1	0.1			0.1	0.1	0.1	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	1	0.1	1	0.1		0.1	0.1	0.1	0.1	0.1
Standard Deviation	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

				Phenols															TRH - (Silica Gel Cleanup)	TRH							BTEX						Met			
				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-chloro-3-methylphenol	4-Nitrophenol	Pentachlorophenol	Phenol	>C10 - C40 Fraction (sum) (SG)	C6-C10	C6-C10 (F1 minus BTEX)	C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Arsenic	Cadmium	Chromium (III+VI)	Copper
				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	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	mg/L	mg/L	mg/L	mg/L
EQL				10	10	10	3	3	0.03	3	3	3	10	30	10	30	10	3	0.1	20	20	50	50	100	100	100	1	1	1	2	1	3	0.001	0.0002	0.001	0.001
ANZG (2018) Freshwater - Slightly to moderately disturbed ecosystems				10		3	120	2	0.045	34	340					58	3.6	320									950	180	80		350			0.0002		0.0014
NHMRC (2011) Recommended Drinking Water Guidelines - Aesthetic (Ver 3.5)																																					
NHMRC (2011) Recommended Drinking Water Guidelines - Health (Ver 3.5)				100		20	200			10	300					30	10	150			100		100	90	90		1	800	300			600	0.01	0.002	0.05	2
Field_ID	**LocCode**	**WellCode**	**Sampled_Date-Time**																																		
A1_1B_MW01	A1_1B_MW01		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1_1B_MW01	A1_1B_MW01	1B	9/02/2022	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<10	<30	<10	<3	-	<20	<20	60	60	600	<100	660	<1	<1	<1	<2	<1	<3	0.01	<0.0002	0.012	0.017
A1_1B_MW03	A1_1B_MW03		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1_1B_MW03	A1_1B_MW03	1B	9/02/2022	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<10	<30	<10	<3	-	<20	<20	50	50	<100	<100	<100	<1	<1	<1	<2	<1	<3	0.005	<0.0002	<0.001	<0.001
A1_1B_MW04	A1_1B_MW04	1B	9/02/2022	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<10	<30	<10	<3	-	<20	<20	<50	<50	<100	<100	<100	<1	<1	<1	<2	<1	<3	0.006	0.0005	0.004	0.005
A1_1B_MW05	A1_1B_MW05	1B	9/02/2022	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<10	<30	<10	<3	-	<20	<20	<50	<50	<100	<100	<100	<1	<1	<1	<2	<1	<3	0.004	0.0002	<0.001	<0.001
A1_1B_MW06	A1_1B_MW06	1B	9/02/2022	<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<10	<30	<10	<3	-	<20	<20	<50	<50	<100	<100	<100	<1	<1	<1	<2	<1	<3	0.005	0.0005	0.003	0.008
Statistical Summary																																					
Number of Results				5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of Detects				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	1	0	0	0	0	0	0	5	3	3	3	3
Minimum Concentration				<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<10	<30	<10	<3	<0.1	<20	<20	<50	<50	<100	<100	<100	<1	<1	<1	<2	<1	<3	0.004	<0.0002	<0.001	<0.001
Minimum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	50	600	ND	660	ND	ND	ND	ND	ND	ND	0.004	0.0002	0.003	0.005
Maximum Concentration				<10	<10	<10	<3	<3	<0.03	<3	<3	<3	<10	<30	<10	<30	<10	<3	<0.1	<20	<20	60	60	600	<100	660	<1	<1	<1	<2	<1	<3	0.01	0.0005	0.012	0.017
Maximum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	60	600	ND	660	ND	ND	ND	ND	ND	ND	0.01	0.0005	0.012	0.017
Average Concentration				5	5	5	1.5	1.5	0.015	1.5	1.5	1.5	5	15	5	15	5	1.5		10	10	37	37	160	50	172	0.5	0.5	0.5	1	0.5	1.5	0.006	0.00028	0.004	0.0062
Median Concentration				5	5	5	1.5	1.5	0.015	1.5	1.5	1.5	5	15	5	15	5	1.5	0.05	10	10	25	25	50	50	50	0.5	0.5	0.5	1	0.5	1.5	0.005	0.0002	0.003	0.005
Standard Deviation				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	17	17	246	0	273	0	0	0	0	0	0	0.0023	0.0002	0.0047	0.0068
Number of Guideline Exceedances				0	0	5	0	5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	5	0	0	0	0	0	0	0	1	3	0	3
Number of Guideline Exceedances(Detects Only)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	3	0	3

				tals				Organochlorine Pesticides																														
				Lead	Mercury	Nickel	Zinc	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	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O
				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	µg/L	µg/L	µg/L	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
EQL				0.001	0.0001	0.001	0.005	2	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	0.005	0.002	2	2	20	2	0.002	20	2
ANZG (2018) Freshwater - Slightly to moderately disturbed ecosystems				0.0034	0.00006	0.011	0.008					0.001						0.006		0.01				0.01			0.2	0.01		0.004	0.0001		0.01			0.01			
NHMRC (2011) Recommended Drinking Water Guidelines - Aesthetic (Ver 3.5)							3																																
NHMRC (2011) Recommended Drinking Water Guidelines - Health (Ver 3.5)				0.01	0.001	0.02				20	20	0.02	0.3	20	0.2|2			9		0.02			30	0.6			10	0.3	0.04	20	0.0003		30	10	2	10	0.01		
Field_ID	**LocCode**	**WellCode**	**Sampled_Date-Time**																																				
A1_1B_MW01	A1_1B_MW01		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1_1B_MW01	A1_1B_MW01	1B	9/02/2022	0.006	<0.0001	0.014	0.036	<2	<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	<0.005	<0.002	<2	<2	<20	<2	<0.002	<20	<2
A1_1B_MW03	A1_1B_MW03		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1_1B_MW03	A1_1B_MW03	1B	9/02/2022	<0.001	<0.0001	0.003	0.009	<2	<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	<0.005	<0.002	<2	<2	<20	<2	<0.002	<20	<2
A1_1B_MW04	A1_1B_MW04	1B	9/02/2022	0.002	<0.0001	0.013	0.027	<2	<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	<0.005	<0.002	<2	<2	<20	<2	<0.002	<20	<2
A1_1B_MW05	A1_1B_MW05	1B	9/02/2022	<0.001	<0.0001	0.006	0.023	<2	<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	<0.005	<0.002	<2	<2	<20	<2	<0.002	<20	<2
A1_1B_MW06	A1_1B_MW06	1B	9/02/2022	0.003	<0.0001	0.006	0.019	<2	<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	<0.005	<0.002	<2	<2	<20	<2	<0.002	<20	<2
Statistical Summary																																							
Number of Results				5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of Detects				3	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration				<0.001	<0.0001	0.003	0.009	<2	<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	<0.005	<0.002	<2	<2	<20	<2	<0.002	<20	<2
Minimum Detect				0.002	ND	0.003	0.009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration				0.006	<0.0001	0.014	0.036	<2	<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	<0.005	<0.002	<2	<2	<20	<2	<0.002	<20	<2
Maximum Detect				0.006	ND	0.014	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration				0.0024	0.00005	0.0084	0.023	1	1	0.1	0.1	0.1	0.1	0.1	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	0.0025	0.001	1	1	10	1	0.001	10	1
Median Concentration				0.002	0.00005	0.006	0.023	1	1	0.1	0.1	0.1	0.1	0.1	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	0.0025	0.001	1	1	10	1	0.001	10	1
Standard Deviation				0.0023	0	0.0048	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances				1	5	2	5	0	0	0	0	5	0	0	0	0	0	5	0	5	0	0	0	5	0	0	0	5	5	5	5	0	5	0	5	5	0	0	0
Number of Guideline Exceedances(Detects Only)				1	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

				Organophosphorous Pesticides																								PAH														
				Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	EPN	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	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
				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	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	mg/L	µg/L	µg/L	µg/L	µg/L
EQL				2	2	2	2	2	2	2	2	2	2	2	2	0.002	2	2	2	2	20	2	2	2	2	2	0.002	5	5	5	5	5	1	1	1	1	1	0.001	1	1	1	1
ANZG (2018) Freshwater - Slightly to moderately disturbed ecosystems					0.01		0.15				0.2				0.05																					0.01		0.1					
NHMRC (2011) Recommended Drinking Water Guidelines - Aesthetic (Ver 3.5)																																										
NHMRC (2011) Recommended Drinking Water Guidelines - Health (Ver 3.5)				0.15	4	5	7	4	4	1	7	10	7		70		0.7	5	2		1	2	20		0.9		0.1						2000		150		0.01					
Field_ID	**LocCode**	**WellCode**	**Sampled_Date-Time**																																							
A1_1B_MW01	A1_1B_MW01		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1_1B_MW01	A1_1B_MW01	1B	9/02/2022	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<0.002	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1
A1_1B_MW03	A1_1B_MW03		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1_1B_MW03	A1_1B_MW03	1B	9/02/2022	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<0.002	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1
A1_1B_MW04	A1_1B_MW04	1B	9/02/2022	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<0.002	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1
A1_1B_MW05	A1_1B_MW05	1B	9/02/2022	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<0.002	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1
A1_1B_MW06	A1_1B_MW06	1B	9/02/2022	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<0.002	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1
Statistical Summary																																										
Number of Results				5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of Detects				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration				<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<0.002	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1
Minimum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration				<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<0.002	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<0.001	<1	<1	<1	<1
Maximum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration				1	1	1	1	1	1	1	1	1	1	1	1	0.001	1	1	1	1	10	1	1	1	1	1	0.001	2.5	2.5	2.5	2.5	2.5	0.5	0.5	0.5	0.5	0.5	0.0005	0.5	0.5	0.5	0.5
Median Concentration				1	1	1	1	1	1	1	1	1	1	1	1	0.001	1	1	1	1	10	1	1	1	1	1	0.001	2.5	2.5	2.5	2.5	2.5	0.5	0.5	0.5	0.5	0.5	0.0005	0.5	0.5	0.5	0.5
Standard Deviation				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances				5	5	0	5	0	0	5	5	0	0	0	5	0	5	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

										Pesticides		SVOCs								TPH												VOCs
				Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Parathion	Pirimiphos-methyl	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	TPH C10-C14 Fraction after Silica Cleanup	TPH C15-C28 Fraction after Silica Cleanup	TPH C29-C36 Fraction after Silica Cleanup	TRH >C10-C16 (after silica gel clean-up)	TRH >C16-C34 (after silica gel clean-up)	TRH >C34-C40 (after silica gel clean-up)	TRH C10-C36 (Total) (after silica gel clean-up)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36	Dibenz(a,j)acridine
				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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL				1	1	1	1	1	1	1	2	0.02	5	5	5	5	5	5	5	5	0.05	0.1	0.1	0.05	0.1	0.1	0.1	20	50	100	100	100	0.005
ANZG (2018) Freshwater - Slightly to moderately disturbed ecosystems				1			16	0.6			0.004																						
NHMRC (2011) Recommended Drinking Water Guidelines - Aesthetic (Ver 3.5)																																	
NHMRC (2011) Recommended Drinking Water Guidelines - Health (Ver 3.5)					10000		70	150	150		20	0.09						3000															
Field_ID	**LocCode**	**WellCode**	**Sampled_Date-Time**																														
A1_1B_MW01	A1_1B_MW01		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	-	-	-	-	-	-
A1_1B_MW01	A1_1B_MW01	1B	9/02/2022	<1	<1	<1	<1	<1	<1	<1	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	<20	<50	700	<100	700	<0.005
A1_1B_MW03	A1_1B_MW03		9/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	-	-	-	-	-	-
A1_1B_MW03	A1_1B_MW03	1B	9/02/2022	<1	<1	<1	<1	<1	<1	<1	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	<20	<50	<100	<100	<100	<0.005
A1_1B_MW04	A1_1B_MW04	1B	9/02/2022	<1	<1	<1	<1	<1	<1	<1	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	<20	<50	<100	<100	<100	<0.005
A1_1B_MW05	A1_1B_MW05	1B	9/02/2022	<1	<1	<1	<1	<1	<1	<1	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	<20	<50	<100	<100	<100	<0.005
A1_1B_MW06	A1_1B_MW06	1B	9/02/2022	<1	<1	<1	<1	<1	<1	<1	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	<20	<50	<100	<100	<100	<0.005
Statistical Summary																																	
Number of Results				5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2	2	2	2	2	2	2	5	5	5	5	5	5
Number of Detects				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Minimum Concentration				<1	<1	<1	<1	<1	<1	<1	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<20	<50	<100	<100	<100	<0.005
Minimum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	ND	700	ND
Maximum Concentration				<1	<1	<1	<1	<1	<1	<1	<2	<0.02	<5	<5	<5	<5	<5	<5	<5	<5	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<20	<50	700	<100	700	<0.005
Maximum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	ND	700	ND
Average Concentration				0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.01	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5								10	25	180	50	180	0.0025
Median Concentration				0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.01	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.025	0.05	0.05	0.025	0.05	0.05	0.05	10	25	50	50	50	0.0025
Standard Deviation				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								0	0	291	0	291	0
Number of Guideline Exceedances				0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

				Per- and Polyfluoroalkyl Subst																																		
				10:2 Fluorotelomer sulfonic acid (10:2 FTS)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorononanesulfonic acid (PFNS)	Perfluorooctanesulfonic acid (PFOS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoropropanesulfonic acid (PFPrS)	N-ethyl perfluorooctane sulfonamide (NEtFOSA)	N-ethyl-perfluorooctanesulfonamidoacetic acid	N-ethylperfluorooctanesulfonamidoethanol (NEtFOS	N-methyl perfluorooctane sulfonamide (NMeFOSA)	N-methylperfluorooctane sulfonamidoacetic acid	N-methylperfluorooctanesulfonamidoethanol	Perfluorooctane sulfonamide (PFOSA)	Sum of PFAS	Sum of PFHxS and PFOS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	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				0.01	0.01	0.05	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.01	0.05	0.01	0.01
NEMP (2020) Freshwater - High conservation value systems (99%)													19											0.00023														
NEMP (2020) Freshwater - Slightly to moderately disturbed systems (95%)													220											0.13														
NEMP (2020) Drinking Water													0.56									0.07		0.07											0.07			
NEMP (2020) Recreational Water													10									2		2											2			
Field_ID	**LocCode**	**WellCode**	**Sampled_Date-Time**																																			
A1_1B_MW01	A1_1B_MW01	1B	9/02/2022	<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.05	<0.01	<0.01
A1_1B_MW03	A1_1B_MW03	1B	9/02/2022	<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.05	<0.01	<0.01
A1_1B_MW04	A1_1B_MW04	1B	9/02/2022	<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.05	<0.01	<0.01
A1_1B_MW05	A1_1B_MW05	1B	9/02/2022	<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.05	<0.01	<0.01
A1_1B_MW06	A1_1B_MW06	1B	9/02/2022	<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.05	<0.01	<0.01
Statistical Summary																																						
Number of Results				5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of Detects				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration				<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.05	<0.01	<0.01
Minimum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration				<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.05	<0.01	<0.01
Maximum Detect				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration				0.005	0.005	0.025	0.005	0.025	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	0.005	0.005	0.005	0.005	0.005	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.05	0.005	0.025	0.005	0.005
Median Concentration				0.005	0.005	0.025	0.005	0.025	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	0.005	0.005	0.005	0.005	0.005	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.05	0.005	0.025	0.005	0.005
Standard Deviation				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

												Per- and Polyfluoroalkyl Subst																											
												10:2 Fluorotelomer sulfonic acid (10:2 FTS)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorononanesulfonic acid (PFNS)	Perfluorooctanesulfonic acid (PFOS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoropropanesulfonic acid (PFPrS)	N-ethyl perfluorooctane sulfonamide (NEtFOSA)	N-ethyl-perfluorooctanesulfonamidoacetic acid	N-ethylperfluorooctanesulfonamidoethanol (NEtFOS	N-methyl perfluorooctane sulfonamide (NMeFOSA)	N-methylperfluorooctane sulfonamidoacetic acid	N-methylperfluorooctanesulfonamidoethanol	Perfluorooctane sulfonamide (PFOSA)	Sum of PFAS	Sum of PFHxS and PFOS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*
												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	µg/kg	µg/kg	µg/kg
EQL												5	5	10	5	5	5	5	5	5	5	5	5	5	5	5	5	10	5	5	10	5	5	50	5	10	5	5
NEMP (2020) HIL A - Residential with garden/accessible soil												100								10		10													10			
NEMP (2020) HIL C - Public open space												10000								1000		1000													1000			
NEMP (2020) HIL D - Industrial/ commercial												50000								20000		20000													20000			
NEMP (2020) Ecological (direct exposure)												10000										1000																
NEMP (2020) Ecological (indirect exposure)																						10																
NEMP (2020) HIL B - Residential with minimal opportunities for soil access												20000								2000		2000													2000			
Field_ID	**LocCode**	**Sample_Depth_Range**	**Sampled_Date-Time**	**Matrix_Description**																																			
A1_1B_SE01	A1_1B_SE01		9/02/2022		<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	<5	<10	<5	<5
A1_1B_SE02	A1_1B_SE02		9/02/2022		<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	<5	<10	<5	<5
A1_1B_SE03	A1_1B_SE03		9/02/2022		<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	<5	<10	<5	<5
A1_1B_SE04	A1_1B_SE04		9/02/2022		<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	<5	<10	<5	<5
Statistical Summary																																							
Number of Results					4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Detects					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration					<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	<5	<10	<5	<5
Minimum Detect					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration					<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<50	<5	<10	<5	<5
Maximum Detect					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration					2.5	2.5	5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5	2.5	2.5	5	2.5	2.5	25	2.5	5	2.5	2.5	2.5
Median Concentration					2.5	2.5	5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5	2.5	2.5	5	2.5	2.5	25	2.5	5	2.5	2.5	2.5
Standard Deviation					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances(Detects Only)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Well ID	Gauging Date	Event	Screened interval (mbTOC)	Total Measured Depth (mbTOC)	Depth to PSH (mbTOC)	Depth to Water (mbTOC)	PSH Thickness (m)	Corrected Depth to Water (mbTOC)	Well Condition/Comments
MW01	9/Feb/22	GME	8.3 - 11.3	11.345	-	7.41	-	7.410	Brown, slightly turbid water. No odour
MW02	9/Feb/22	GME	5.6 - 8.6	8.670	-	-	-	Dry	Dry
MW03	9/Feb/22	GME	10.1 - 16.1	17.065	-	9.446	-	9.446	Cloudy, white, no odour
MW04	9/Feb/22	GME	7.8 - 10.8	12.065	-	10.365	-	10.365	Slightly cloudy, white, odourless
MW05	9/Feb/22	GME	10.1 - 13.1	14.105	-	7.823	-	7.823	Slightly cloudy, white, odourless
MW06	9/Feb/22	GME	9.0 - 12.0	12.015	-	6.466	-	6.466	Brown, turbid, no odour.

Notes:

m metres
mbTOC metres below top of casing
mbTOC metres below top of casing

Table 5. Groundwater Field Parameters
Bradfield City Centre
0571466 - Detailed Site Investigation

Well ID	DO (mg/L)	EC (µScm-¹)	pH	Eh (mV)	Temp. (°C)	Comments
MW01						Brown, slightly turbid water. No odour. Insufficient samples for parameters
MW02						Dry
MW03	1.91	23,474	6.89	-0.5	20	Cloudy, white, no odour
MW04	1.84	28918	6.90	7.5	22.1	Slightly cloudy, white, odourless
MW05	1.74	28690	6.94	27.4	21.3	Slightly cloudy, white, odourless
MW06						Brown, turbid, no odour. Insufficient sample for parameters

Notes:

MW	Monitoring Well
DO	Dissolved Oxygen
mg/L	milligrams per litre
EC	Electrical Conductivity
μScm^{-1}	microsiemens per centimetre
Eh	Redox
mV	millivolts
L	Litres

Equipment: YSI 18G103111 (hire Air-met)

Operator: Jack Emblen

Filter: SDG in('15 Feb 2022','09 Feb 2022','14 Feb 2022')

SDG			9-Feb-22	9-Feb-22		9-Feb-22	ALSE-Sydney 10-Feb-22	
Field ID			A1_1B_MW03	20220209_D01	**RPD**	A1_1B_MW03	20220209_T01	**RPD**
Sampled Date/Time			9/02/2022	9/02/2022		9/02/2022	9/02/2022	
ChemName	**Units**	**EQL**						
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.01 (Primary): 0.05 (Interlab)	<0.01	<0.01	0	<0.01	<0.05	0
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01 (Primary): 0.05 (Interlab)	<0.01	<0.01	0	<0.01	<0.05	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.01 (Primary): 0.05 (Interlab)	<0.01	<0.01	0	<0.01	<0.05	0
Perfluorobutanoic acid (PFBA)	µg/L	0.05 (Primary): 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.1	0
Perfluorodecanoic acid (PFDA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorododecanoic acid (PFDoDA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorohexanoic acid (PFHxA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorononanoic acid (PFNA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorooctanoic acid (PFOA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0
Perfluoropentanoic acid (PFPeA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.01 (Primary): 0.05 (Interlab)	<0.01	<0.01	0	<0.01	<0.05	0
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorodecanesulfonic acid (PFDS)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0
Perfluorononanesulfonic acid (PFNS)	µg/L	0.01	<0.01	<0.01	0	<0.01		
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01 (Primary): 0.02 (Interlab)	<0.01	<0.01	0	<0.01	<0.02	0
Perfluoropropanesulfonic acid (PFPrS)	µg/L	0.01	<0.01	<0.01	0	<0.01		
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0
N-ethyl-perfluorooctanesulfonamidoacetic acid	µg/L	0.05 (Primary): 0.02 (Interlab)	<0.05	<0.05	0	<0.05	<0.02	0
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0
N-methyl perfluorooctane sulfonamide (NMeFOSA)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0
N-methylperfluorooctane sulfonamidoacetic acid	µg/L	0.05 (Primary): 0.02 (Interlab)	<0.05	<0.05	0	<0.05	<0.02	0
N-methylperfluorooctanesulfonamidoethanol	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Perfluorooctane sulfonamide (PFOSA)	µg/L	0.05 (Primary): 0.02 (Interlab)	<0.05	<0.05	0	<0.05	<0.02	0
Sum of PFAS	µg/L	0.1 (Primary): 0.01 (Interlab)	<0.1	<0.1	0	<0.1	<0.01	0
Sum of PFHxS and PFOS	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0
Sum of PFAS (WA DER List)	µg/L	0.05 (Primary): 0.01 (Interlab)	<0.05	<0.05	0	<0.05	<0.01	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	µg/L	0.01	<0.01	<0.01	0	<0.01		
Sum of US EPA PFAS (PFOS + PFOA)*	µg/L	0.01	<0.01	<0.01	0	<0.01		
2,3,4,6-Tetrachlorophenol	µg/l	10	<10.0	<10.0	0	<10.0		
2,4,5-Trichlorophenol	µg/l	10 (Primary): 2 (Interlab)	<10.0	<10.0	0	<10.0	<2.0	0
2,4,6-Trichlorophenol	µg/l	10 (Primary): 2 (Interlab)	<10.0	<10.0	0	<10.0	<2.0	0
2,4-Dichlorophenol	µg/l	3 (Primary): 2 (Interlab)	<3.0	<3.0	0	<3.0	<2.0	0
2,4-Dimethylphenol	µg/l	3 (Primary): 2 (Interlab)	<3.0	<3.0	0	<3.0	<2.0	0
2,4-Dinitrophenol	mg/l	0.03	<0.03	<0.03	0	<0.03		
2,6-Dichlorophenol	µg/l	3 (Primary): 2 (Interlab)	<3.0	<3.0	0	<3.0	<2.0	0
2-Chlorophenol	µg/l	3 (Primary): 2 (Interlab)	<3.0	<3.0	0	<3.0	<2.0	0
2-Methylphenol	µg/l	3 (Primary): 2 (Interlab)	<3.0	<3.0	0	<3.0	<2.0	0
2-Nitrophenol	µg/l	10 (Primary): 2 (Interlab)	<10.0	<10.0	0	<10.0	<2.0	0
4,6-Dinitro-2-methylphenol	µg/l	30	<30.0	<30.0	0	<30.0		
4-chloro-3-methylphenol	µg/l	10 (Primary): 2 (Interlab)	<10.0	<10.0	0	<10.0	<2.0	0
4-Nitrophenol	µg/l	30	<30.0	<30.0	0	<30.0		
Pentachlorophenol	µg/l	10 (Primary): 4 (Interlab)	<10.0	<10.0	0	<10.0	<4.0	0
Phenol	µg/l	3 (Primary): 2 (Interlab)	<3.0	<3.0	0	<3.0	<2.0	0
C6-C10	µg/l	20	<20.0	<20.0	0	<20.0	<20.0	0
C6-C10 (F1 minus BTEX)	µg/l	20	<20.0	<20.0	0	<20.0	<20.0	0
C10-C16	µg/l	50 (Primary): 100 (Interlab)	50.0	100.0	67	50.0	<100.0	0
C10-C16 (F2 minus Naphthalene)	µg/l	50 (Primary): 100 (Interlab)	50.0	100.0	67	50.0	<100.0	0
C16-C34	µg/l	100	<100.0	<100.0	0	<100.0	<100.0	0
C34-C40	µg/l	100	<100.0	<100.0	0	<100.0	<100.0	0
C10-C40 (Sum of total)	µg/l	100	<100.0	100.0	0	<100.0	<100.0	0

Filter: SDG in('15 Feb 2022','09 Feb 2022','14 Feb 2022')

SDG			9-Feb-22	9-Feb-22		9-Feb-22	ALSE-Sydney 10-Feb-22	
Field ID			A1_1B_MW03	20220209_D01	**RPD**	A1_1B_MW03	20220209_T01	**RPD**
Sampled Date/Time			9/02/2022	9/02/2022		9/02/2022	9/02/2022	
ChemName	**Units**	**EQL**						
N-nitrosodi-n-butylamine	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
N-nitrosodi-n-propylamine	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
1-naphthylamine	µg/l	5 (Primary): 2 (Interlab)	<10.0	<10.0	0	<10.0	<2.0	0
2-naphthylamine	µg/l	5	<10.0	<10.0	0	<10.0		
Diphenylamine	µg/l	5	<5.0	<5.0	0	<5.0		
2-nitroaniline	µg/l	5 (Primary): 4 (Interlab)	<5.0	<5.0	0	<5.0	<4.0	0
Aniline	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
Benzene	µg/l	1	<1.0	<1.0	0	<1.0	<1.0	0
Toluene	µg/l	1 (Primary): 2 (Interlab)	<1.0	<1.0	0	<1.0	<2.0	0
Ethylbenzene	µg/l	1 (Primary): 2 (Interlab)	<1.0	<1.0	0	<1.0	<2.0	0
Xylene (m & p)	µg/l	2	<2.0	<2.0	0	<2.0	<2.0	0
Xylene (o)	µg/l	1 (Primary): 2 (Interlab)	<1.0	<1.0	0	<1.0	<2.0	0
Xylene Total	µg/l	3 (Primary): 2 (Interlab)	<3.0	<3.0	0	<3.0	<2.0	0
Chlorinated hydrocarbons EPAVic	µg/l	5	<5.0	<5.0	0	<5.0		
Other chlorinated hydrocarbons EPAVic	µg/l	5	<5.0	<5.0	0	<5.0		
1,1,1,2-tetrachloroethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,1,1-trichloroethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,1,2,2-tetrachloroethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,1,2-trichloroethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,1-dichloroethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,1-dichloroethene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,2,3-trichloropropane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,2-dichloroethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,2-dichloropropane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,3-dichloropropane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Benzyl chloride	mg/l	0.005	<0.005	<0.005	0	<0.005		
Bromochloromethane	µg/l	1	<1.0	<1.0	0	<1.0		
Bromodichloromethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Bromoform	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Carbon tetrachloride	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Chlorodibromomethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Chloroethane	µg/l	5 (Primary): 50 (Interlab)	<5.0	<5.0	0	<5.0	<50.0	0
Chloroform	µg/l	5	<5.0	<5.0	0	<5.0	<5.0	0
Chloromethane	µg/l	5 (Primary): 50 (Interlab)	<5.0	<5.0	0	<5.0	<50.0	0
cis-1,2-dichloroethene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
cis-1,3-dichloropropene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Dibromomethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Dichloromethane	µg/l	5	<5.0	<5.0	0	<5.0		
Hexachlorobutadiene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
Hexachlorocyclopentadiene	µg/l	5 (Primary): 10 (Interlab)	<5.0	<5.0	0	<5.0	<10.0	0
Hexachloroethane	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
Trichloroethene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Tetrachloroethene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
trans-1,2-dichloroethene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
trans-1,3-dichloropropene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Vinyl chloride	µg/l	5 (Primary): 50 (Interlab)	<5.0	<5.0	0	<5.0	<50.0	0
2,4-Dinitrotoluene	µg/l	5 (Primary): 4 (Interlab)	<5.0	<5.0	0	<5.0	<4.0	0
2,6-dinitrotoluene	µg/l	5 (Primary): 4 (Interlab)	<5.0	<5.0	0	<5.0	<4.0	0
Nitrobenzene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
1,2,3,4-tetrachlorobenzene	mg/l	0.005	<0.005	<0.005	0	<0.005		
1,2,3,5-Tetrachlorobenzene	mg/l	0.005	<0.005	<0.005	0	<0.005		
1,2,3-trichlorobenzene	µg/l	5	<5.0	<5.0	0	<5.0	<5.0	0
1,2,4,5-tetrachlorobenzene	µg/l	5	<5.0	<5.0	0	<5.0		
1,2,4-trichlorobenzene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0

Filter: SDG in('15 Feb 2022','09 Feb 2022','14 Feb 2022')

SDG			9-Feb-22	9-Feb-22		9-Feb-22	ALSE-Sydney 10-Feb-22	
Field ID			A1_1B_MW03	20220209_D01	**RPD**	A1_1B_MW03	20220209_T01	**RPD**
Sampled Date/Time			9/02/2022	9/02/2022		9/02/2022	9/02/2022	
ChemName	**Units**	**EQL**						
1,2-dichlorobenzene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
1,2-dichlorobenzene	µg/l	1 (Primary): 2 (Interlab)	<1.0	<1.0	0	<1.0	<2.0	0
1,3,5-Trichlorobenzene	µg/l	5	<5.0	<5.0	0	<5.0		
1,3-dichlorobenzene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
1,3-dichlorobenzene	µg/l	1 (Primary): 2 (Interlab)	<1.0	<1.0	0	<1.0	<2.0	0
1,4-dichlorobenzene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
1,4-dichlorobenzene	µg/l	1 (Primary): 2 (Interlab)	<1.0	<1.0	0	<1.0	<2.0	0
4-chlorotoluene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Bromobenzene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Chlorobenzene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Hexachlorobenzene	µg/l	5 (Primary): 4 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Hexachlorobenzene	µg/l	0.2 (Primary): 4 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Pentachlorobenzene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
1,2-dibromoethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Bromomethane	µg/l	5 (Primary): 50 (Interlab)	<5.0	<5.0	0	<5.0	<50.0	0
Dichlorodifluoromethane	µg/l	5 (Primary): 50 (Interlab)	<5.0	<5.0	0	<5.0	<50.0	0
Iodomethane	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Trichlorofluoromethane	µg/l	5 (Primary): 50 (Interlab)	<5.0	<5.0	0	<5.0	<50.0	0
Pronamide	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
Trifluralin	mg/l	0.005	<0.005	<0.005	0	<0.005		
Total MAH	mg/l	0.003	<0.003	<0.003	0	<0.003		
1,2,4-trimethylbenzene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
1,3,5-trimethylbenzene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Isopropylbenzene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Styrene	µg/l	1 (Primary): 5 (Interlab)	<1.0	<1.0	0	<1.0	<5.0	0
Arsenic	mg/l	0.001	**0.005**	**0.011**	**75**	0.005	0.003	50
Cadmium	mg/l	0.0002 (Primary): 0.0001 (Interlab)	<0.0002	<0.0002	0	<0.0002	<0.0001	0
Chromium (III+VI)	mg/l	0.001	<0.001	0.001	0	<0.001	0.002	67
Copper	mg/l	0.001	**<0.001**	**0.003**	**100**	**<0.001**	**0.004**	**120**
Lead	mg/l	0.001	<0.001	0.001	0	<0.001	0.002	67
Mercury	mg/l	0.0001	<0.0001	<0.0001	0	<0.0001	<0.0001	0
Nickel	mg/l	0.001	0.003	0.004	29	0.003	0.006	67
Zinc	mg/l	0.005	0.009	0.011	20	0.009	0.014	43
2-Picoline	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
4-aminobiphenyl	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
Pentachloronitrobenzene	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
Organochlorine pesticides EPAVic	µg/l	2	<2.0	<2.0	0	<2.0		
Other organochlorine pesticides EPAVic	µg/l	2	<2.0	<2.0	0	<2.0		
4,4-DDE	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
4,4-DDE	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
a-BHC	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
a-BHC	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Aldrin	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Aldrin	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Aldrin + Dieldrin	µg/l	0.2 (Primary): 4 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
b-BHC	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
b-BHC	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
chlordane	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
d-BHC	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
d-BHC	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
DDD	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0

Filter: SDG in('15 Feb 2022','09 Feb 2022','14 Feb 2022')

SDG			9-Feb-22	9-Feb-22		9-Feb-22	ALSE-Sydney 10-Feb-22	
Field ID			A1_1B_MW03	20220209_D01	**RPD**	A1_1B_MW03	20220209_T01	**RPD**
Sampled Date/Time			9/02/2022	9/02/2022		9/02/2022	9/02/2022	
ChemName	**Units**	**EQL**						
DDD	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
DDT	µg/l	5 (Primary): 4 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
DDT	µg/l	0.2 (Primary): 4 (Interlab)	<0.2	<0.2	0	<0.2	<2.0	0
DDT+DDE+DDD	µg/l	0.2 (Primary): 4 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Dieldrin	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Dieldrin	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Endosulfan I	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Endosulfan I	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Endosulfan II	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Endosulfan II	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Endosulfan sulphate	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Endosulfan sulphate	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Endrin	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Endrin	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Endrin aldehyde	µg/l	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Endrin aldehyde	µg/l	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Endrin ketone	µg/l	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Endrin ketone	µg/l	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
g-BHC (Lindane)	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
g-BHC (Lindane)	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Heptachlor	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Heptachlor	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Heptachlor epoxide	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
Heptachlor epoxide	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.5	0
Methoxychlor	µg/l	5 (Primary): 2 (Interlab)	<5.0	<5.0	0	<5.0	<2.0	0
Methoxychlor	µg/l	0.2 (Primary): 2 (Interlab)	<0.2	<0.2	0	<0.2	<2.0	0
Toxaphene	mg/l	0.005	<0.005	<0.005	0	<0.005		
Tokuthion	mg/l	0.002	<0.002	<0.002	0	<0.002		
Azinophos methyl	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
Bolstar (Sulprofos)	µg/l	2	<2.0	<2.0	0	<2.0		
Chlorfenvinphos	µg/l	20 (Primary): 2 (Interlab)	<20.0	<20.0	0	<20.0	<0.5	0
Chlorpyrifos	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
Chlorpyrifos-methyl	mg/l	0.002 (Primary): 0.0005 (Interlab)	<0.002	<0.002	0	<0.002	<0.0005	0
Coumaphos	µg/l	20	<20.0	<20.0	0	<20.0		
Demeton-O	µg/l	2	<2.0	<2.0	0	<2.0		
Demeton-S	µg/l	2	<2.0	<2.0	0	<2.0		
Diazinon	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
Dichlorvos	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
Dimethoate	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
Disulfoton	µg/l	2	<2.0	<2.0	0	<2.0		
Ethion	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
Ethoprop	µg/l	2	<2.0	<2.0	0	<2.0		
Fenitrothion	µg/l	2	<2.0	<2.0	0	<2.0		
Fensulfothion	µg/l	2	<2.0	<2.0	0	<2.0		
Fenthion	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
EPN	µg/l	2	<2.0	<2.0	0	<2.0		
Malathion	µg/l	2 (Primary): 0.5 (Interlab)	<2.0	<2.0	0	<2.0	<0.5	0
Merphos	mg/l	0.002	<0.002	<0.002	0	<0.002		
Methyl parathion	µg/l	2	<2.0	<2.0	0	<2.0	<2.0	0
Mevinphos (Phosdrin)	µg/l	2	<2.0	<2.0	0	<2.0		
Monocrotophos	µg/l	2	<2.0	<2.0	0	<2.0	<2.0	0
Naled (Dibrom)	µg/l	2	<2.0	<2.0	0	<2.0		
Omethoate	µg/l	20	<20.0	<20.0	0	<20.0		
Phorate	µg/l	2	<2.0	<2.0	0	<2.0		
Pyrazophos	µg/l	2	<2.0	<2.0	0	<2.0		
Ronnel	µg/l	2	<2.0	<2.0	0	<2.0		
Terbufos	µg/l	2	<2.0	<2.0	0	<2.0		
Trichloronate	µg/l	2	<2.0	<2.0	0	<2.0		

Filter: SDG in('15 Feb 2022','09 Feb 2022','14 Feb 2022')

			SDG	9-Feb-22	9-Feb-22		9-Feb-22	ALSE-Sydney 10-Feb-22	
			Field ID	A1_1B_MW03	20220209_D01	RPD	A1_1B_MW03	20220209_T01	RPD
			Sampled Date/Time	9/02/2022	9/02/2022		9/02/2022	9/02/2022	
ChemName	**Units**	**EQL**							
Tetrachlorvinphos	mg/l	0.002		<0.002	<0.002	0	<0.002		
Acetophenone	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
1-Chloronaphthalene	µg/l	5		<5.0	<5.0	0	<5.0		
2-chloronaphthalene	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
2-methylnaphthalene	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
3-methylcholanthrene	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
7,12-dimethylbenz(a)anthracene	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Acenaphthene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Acenaphthylene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Anthracene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Benz(a)anthracene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Benzo(a) pyrene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<0.5	0
Benzo(b+j)fluoranthene	mg/l	0.001		<0.001	<0.001	0	<0.001	<0.001	0
Benzo(g,h,i)perylene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Benzo(k)fluoranthene	µg/l	1		<1.0	<1.0	0	<1.0	<1.0	0
Chrysene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Dibenz(a,h)anthracene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Fluoranthene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Fluorene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Indeno(1,2,3-c,d)pyrene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Naphthalene	µg/l	10 (Primary): 5 (Interlab)		<10.0	<10.0	0	<10.0	<1.0	0
Naphthalene	µg/l	1 (Primary): 5 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Phenanthrene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
Pyrene	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<1.0	0
PAHs (Sum of total)	µg/l	1 (Primary): 2 (Interlab)		<1.0	<1.0	0	<1.0	<0.5	0
Parathion	µg/l	2		<2.0	<2.0	0	<2.0	<2.0	0
Pirimiphos-methyl	mg/l	0.02		<0.02	<0.02	0	<0.02		
Bis(2-ethylhexyl) phthalate	µg/l	5 (Primary): 10 (Interlab)		<5.0	<5.0	0	<5.0	<10.0	0
Butyl benzyl phthalate	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Diethylphthalate	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Dimethyl phthalate	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Di-n-butyl phthalate	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Di-n-octyl phthalate	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Methyl Ethyl Ketone	µg/l	5 (Primary): 50 (Interlab)		<5.0	<5.0	0	<5.0	<50.0	0
4-Methyl-2-pentanone	µg/l	5 (Primary): 50 (Interlab)		<5.0	<5.0	0	<5.0	<50.0	0
Acetone	mg/l	0.005		<0.005	<0.005	0	<0.005		
Allyl chloride	mg/l	0.001		<0.001	<0.001	0	<0.001		
Carbon disulfide	µg/l	1 (Primary): 5 (Interlab)		<1.0	<1.0	0	<1.0	<5.0	0
3,3-Dichlorobenzidine	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
4-(dimethylamino) azobenzene	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
4-bromophenyl phenyl ether	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
4-chlorophenyl phenyl ether	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Bis(2-chloroethoxy) methane	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
Bis(2-chloroisopropyl) ether	µg/l	5		<5.0	<5.0	0	<5.0		
Dibenzofuran	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
N-nitrosopiperidine	µg/l	5 (Primary): 2 (Interlab)		<5.0	<5.0	0	<5.0	<2.0	0
C6-C9	µg/l	20		<20.0	<20.0	0	<20.0	<20.0	0
C10-C14	µg/l	50		<50.0	110.0	75	<50.0	<50.0	0
C15-C28	µg/l	100		<100.0	<100.0	0	<100.0	<100.0	0
C29-C36	µg/l	100 (Primary): 50 (Interlab)		<100.0	<100.0	0	<100.0	<50.0	0
C10-C36	µg/l	100 (Primary): 50 (Interlab)		<100.0	110.0	10	<100.0	<50.0	0
Dibenz(a.j)acridine	mg/l	0.005		<0.005	<0.005	0	<0.005		

Field Duplicates (SOIL)

SDG		9-Feb-22	9-Feb-22		9-Feb-22	ALSE-Sydney 10-Feb-22			
Field ID		A1_1B_SE04	20220209_D02	**RPD**	A1_1B_SE04	20220209_T02	**RPD**		
Sampled Date/Time		9/02/2022	9/02/2022		9/02/2022	9/02/2022			
Chem_Group	**ChemName**	**Units**	**EQL**						
Per- and Polyfluoroalkyl Subst	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	10 (Primary): 0.5 (Interlab)	<10.0	<10.0	0	<10.0	<0.5	0
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	Perfluorobutanoic acid (PFBA)	µg/kg	5 (Primary): 1 (Interlab)	<5.0	<5.0	0	<5.0	<1.0	0
	Perfluorodecanoic acid (PFDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorododecanoic acid (PFDoDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluoroheptanoic acid (PFHpA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorohexanoic acid (PFHxA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorononanoic acid (PFNA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorooctanoic acid (PFOA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluoropentanoic acid (PFPeA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorotetradecanoic acid (PFTeDA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	Perfluorotridecanoic acid (PFTrDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluoroundecanoic acid (PFUnDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorobutane sulfonic acid (PFBS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorohexane sulfonic acid (PFHxS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluorononanesulfonic acid (PFNS)	µg/kg	5	<5.0	<5.0	0	<5.0		
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	0.2	0
	Perfluoropentane sulfonic acid (PFPeS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Perfluoropropanesulfonic acid (PFPrS)	µg/kg	5	<5.0	<5.0	0	<5.0		
	N-ethyl perfluorooctane sulfonamide (NEtFOSA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	N-ethyl-perfluorooctanesulfonamidoacetic acid	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	<0.2	0
	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	N-methyl perfluorooctane sulfonamide (NMeFOSA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	N-methylperfluorooctane sulfonamidoacetic acid	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	<0.2	0
	N-methylperfluorooctanesulfonamidoethanol	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<0.5	0
	Perfluorooctane sulfonamide (PFOSA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<0.2	0
	Sum of PFAS	µg/kg	50 (Primary): 0.2 (Interlab)	<50.0	<50.0	0	<50.0	0.2	0
	Sum of PFHxS and PFOS	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	0.2	0
	Sum of PFAS (WA DER List)	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	0.2	0
	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	µg/kg	5	<5.0	<5.0	0	<5.0		
	Sum of US EPA PFAS (PFOS + PFOA)*	µg/kg	5	<5.0	<5.0	0	<5.0		
Inorganics	Moisture Content (dried @ 103°C)	%	1	16.0	17.0	6	16.0		

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 80 (1-10 x EQL); 50 (10-30 x EQL); 30 (> 30 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

		SDG Field ID Sampled Date/Time	26-Oct-21 AI_1B_TP59_0.1 25/10/2021	26-Oct-21 AI_1B_20211025_D01 25/10/2021	RPD	26-Oct-21 AI_1B_TP47_0.1 25/10/2021	26-Oct-21 AI_1B_20211025_D02 25/10/2021	RPD	27-Oct-21 AI_1B_TP20_0.1 27/10/2021	27-Oct-21 AI_1B_20211027_D01 27/10/2021	RPD	27-Oct-21 AI_1B_TP17_0.4 27/10/2021	27-Oct-21 AI_1B_20211027_D02 27/10/2021	RPD	26-Oct-21 AI_1B_TP59_0.1 25/10/2021	ALSE-Sydney 01-Nov-21 1B_202110125_T01 25/10/2021	RPD	26-Oct-21 AI_1B_TP47_0.1 25/10/2021	ALSE-Sydney 01-Nov-21 1B_202110125_T02 25/10/2021	RPD	27-Oct-21 AI_1B_TP20_0.1 27/10/2021	ALSE-Sydney 02-Nov-21 1B_20211027_T01 27/10/2021	RPD	27-Oct-21 AI_1B_TP17_0.4 27/10/2021	ALSE-Sydney 02-Nov-21 1B_20211027_T02 27/10/2021	RPD	27-Oct-21 AI_1B_TP03_0.3 27/10/2021	ALSE-Sydney 02-Nov-21 1B_20211027_T03 27/10/2021	RPD
ChemName	**Units**	**EQL**																											
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	10 (Primary): 0.5 (Interlab)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<0.5	0	<10.0	<0.5	0	<10.0	<0.5	0	<10.0	<0.5	0	<10.0	<0.5	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
Perfluorobutanoic acid (PFBA)	µg/kg	5 (Primary): 1 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<1.0	0	<5.0	<1.0	0	<5.0	<1.0	0	<5.0	<1.0	0	<5.0	<1.0	0
Perfluorodecanoic acid (PFDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorododecanoic acid (PFDoDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoroheptanoic acid (PFHpA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorohexanoic acid (PFHxA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorononanoic acid (PFNA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorooctanoic acid (PFOA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoropentanoic acid (PFPeA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
Perfluorotridecanoic acid (PFTrDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoroundecanoic acid (PFUnDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorobutane sulfonic acid (PFBS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorodecanesulfonic acid (PFDS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorononanesulfonic acid (PFNS)	µg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0			<5.0			<5.0					
Perfluorooctanesulfonic acid (PFOS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	0.4	0	<5.0	<0.2	0	<5.0	0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0			<5.0			<5.0					
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
N-ethyl-perfluorooctanesulfonamidoacetic acid	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<0.2	0	<10.0	<0.2	0	<10.0	<0.2	0	<10.0	<0.2	0	<10.0	<0.2	0
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
N-methyl perfluorooctane sulfonamide (NMeFOSA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
N-methylperfluorooctane sulfonamidoacetic acid	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<0.2	0	<10.0	<0.2	0	<10.0	<0.2	0	<10.0	<0.2	0	<10.0	<0.2	0
N-methylperfluorooctanesulfonamidoethanol	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0	<5.0	<0.5	0
Perfluorooctane sulfonamide (PFOSA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Sum of PFAS	µg/kg	50 (Primary): 0.2 (Interlab)	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	0.4	0	<50.0	<0.2	0	<50.0	0.2	0	<50.0	<0.2	0	<50.0	<0.2	0
Sum of PFHxS and PFOS	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	0.4	0	<5.0	<0.2	0	<5.0	0.2	0	<5.0	<0.2	0	<5.0	<0.2	0
Sum of PFAS (WA DER List)	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	0.4	0	<10.0	<0.2	0	<10.0	0.2	0	<10.0	<0.2	0	<10.0	<0.2	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	µg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0			<5.0			<5.0					
Sum of US EPA PFAS (PFOS + PFOA)*	µg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0			<5.0			<5.0					
2,3,4,6-Tetrachlorophenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
2,4,5-Trichlorophenol	mg/kg	1 (Primary): 0.5 (Interlab)	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<0.5	0	<1.0			<1.0	<0.5	0	<1.0			<1.0	<0.5	0
2,4,6-Trichlorophenol	mg/kg	1 (Primary): 0.5 (Interlab)	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<0.5	0	<1.0			<1.0	<0.5	0	<1.0			<1.0	<0.5	0
2,4-Dichlorophenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
2,4-Dimethylphenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<1.0	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<1.0			<0.5	<0.5	0
2,4-Dinitrophenol	mg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0			<5.0			<5.0					
2,6-Dichlorophenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
2-Chlorophenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
2-Methylphenol	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.5	0	<0.2			<0.2	<0.5	0	<0.2			<0.2	<0.5	0
2-Nitrophenol	mg/kg	1 (Primary): 0.5 (Interlab)	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<0.5	0	<1.0			<1.0	<0.5	0	<1.0			<1.0	<0.5	0
4,6-Dinitro-2-methylphenol	mg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0			<5.0			<5.0					
4-chloro-3-methylphenol	mg/kg	1 (Primary): 0.5 (Interlab)	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<0.5	0	<1.0			<1.0	<0.5	0	<1.0			<1.0	<0.5	0
4-Nitrophenol	mg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0			<5.0			<5.0					
Pentachlorophenol	mg/kg	1	<1.0	<1.0	0	<1.0	<1.0	0	<5.0	<1.0	0	<1.0	<5.0	0	<1.0	<1.0	0	<1.0			<5.0	<1.0	0	<1.0			<1.0	<1.0	0
Phenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
3&4-Methylphenol (m&p-Cresol)	mg/kg	0.4	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4			<0.4			<0.4			<0.4					
C6-C10	mg/kg	20 (Primary): 10 (Interlab)	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<10.0	0	<20.0			<20.0	<10.0	0	<20.0			<20.0	<10.0	0
C6-C10 (F1 minus BTEX)	mg/kg	20 (Primary): 10 (Interlab)	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<10.0	0	<20.0			<20.0	<10.0	0	<20.0			<20.0	<10.0	0
C10-C16	mg/kg	50	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0			<50.0	<50.0	0	<50.0			<50.0	<50.0	0
C10-C16 (F2 minus Naphthalene)	mg/kg	50	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0			<50.0	<50.0	0	<50.0			<50.0	<50.0	0
C16-C34	mg/kg	100	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0			<100.0	<100.0	0	<100.0			<100.0	<100.0	0
C34-C40	mg/kg	100	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0			<100.0	<100.0	0	<100.0			<100.0	<100.0	0
C10-C40 (Sum of total)	mg/kg	100 (Primary): 50 (Interlab)	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<50.0	0	<100.0			<100.0	<50.0	0	<100.0			<100.0	<50.0	0
N-nitrosodi-n-butylamine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
N-nitrosodi-n-propylamine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1-naphthylamine	mg/kg	0.5	<1.0	<1.0	0	<0.5	<0.5	0	<0.5	<1.0	0	<1.0	<0.5	0	<1.0	<0.5	0	<0.5			<0.5	<0.5	0	<1.0			<1.0	<0.5	0
2-naphthylamine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Diphenylamine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
2-nitroaniline	mg/kg	1	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0			<1.0	<1.0	0	<1.0			<1.0	<1.0	0
Aniline	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Benzene	mg/kg	0.1 (Primary): 0.2 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.2	0	<0.1			<0.1	<0.2	0	<0.1			<0.1	<0.2	0
Toluene	mg/kg	0.1 (Primary): 0.5 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.5	0	<0.1			<0.1	<0.5	0	<0.1			<0.1	<0.5	0
Ethylbenzene	mg/kg	0.1 (Primary): 0.5 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.5	0	<0.1			<0.1	<0.5	0	<0.1			<0.1	<0.5	0
Xylene (m & p)	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.5	0	<0.2			<0.2	<0.5	0	<0.2			<0.2	<0.5	0
Xylene (o)	mg/kg	0.1 (Primary): 0.5 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.5	0	<0.1			<0.1	<0.5	0	<0.1			<0.1	<0.5	0
Xylene Total	mg/kg	0.3 (Primary): 0.5 (Interlab)	<0.3	<0.3	0	<0.3	<0.3	0	<0.3	<0.3	0	<0.3	<0.3	0	<0.3	<0.5	0	<0.3			<0.3	<0.5	0	<0.3			<0.3	<0.5	0
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
1,1,1,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,1,1-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,1,2,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,1,2-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,1-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,1-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2,3-trichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,3-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Benzyl chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Bromochloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Bromodichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Bromoform	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Carbon tetrachloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Chlorodibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Chloroethane	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
Chloroform	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Chloromethane	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Dibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Dichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Hexachlorobutadiene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Hexachlorocyclopentadiene	mg/kg	1 (Primary): 2.5 (Interlab)	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<2.5	0	<1.0			<1.0	<2.5	0	<1.0			<1.0	<2.5	0
Hexachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Trichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Tetrachloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Vinyl chloride	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
2,4-Dinitrotoluene	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<1.0	0	<0.5			<0.5	<1.0	0	<0.5			<0.5	<1.0	0
2,6-dinitrotoluene	mg/kg	1	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0			<1.0	<1.0	0	<1.0			<1.0	<1.0	0

ERM

		SDG	26-Oct-21	26-Oct-21		26-Oct-21	26-Oct-21		27-Oct-21	27-Oct-21		27-Oct-21	27-Oct-21		26-Oct-21	ALSE-Sydney 01-Nov-21		26-Oct-21	ALSE-Sydney 01-Nov-21		27-Oct-21	ALSE-Sydney 02-Nov-21		27-Oct-21	ALSE-Sydney 02-Nov-21		27-Oct-21	ALSE-Sydney 02-Nov-21	
		Field ID	AI_1B_TP59_0.1	AI_1B_20211025_D01	**RPD**	AI_1B_TP47_0.1	AI_1B_20211025_D02	**RPD**	AI_1B_TP20_0.1	AI_1B_20211027_D01	**RPD**	AI_1B_TP17_0.4	AI_1B_20211027_D02	**RPD**	AI_1B_TP59_0.1	1B_202110125_T01	**RPD**	AI_1B_TP47_0.1	1B_202110125_T02	**RPD**	AI_1B_TP20_0.1	1B_20211027_T01	**RPD**	AI_1B_TP17_0.4	1B_20211027_T02	**RPD**	AI_1B_TP03_0.3	1B_20211027_T03	**RPD**
		Sampled Date/Time	25/10/2021	25/10/2021		25/10/2021	25/10/2021		27/10/2021	27/10/2021		27/10/2021	27/10/2021		25/10/2021	25/10/2021		25/10/2021	25/10/2021		27/10/2021	27/10/2021		27/10/2021	27/10/2021		27/10/2021	27/10/2021	
ChemName	**Units**	**EQL**																											
Nitrobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2,3,4-tetrachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
1,2,3-trichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2,4,5-tetrachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
1,2,4-trichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,3,5-Trichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
1,3-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,3-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,4-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,4-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
4-chlorotoluene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Bromobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Chlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Hexachlorobenzene	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Hexachlorobenzene	mg/kg	0.05 (Primary): 1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Pentachlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,2-dibromoethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Bromomethane	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
Dichlorodifluoromethane	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
Iodomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Trichlorofluoromethane	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
Pronamide	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Trifluralin	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Moisture Content (dried @ 103°C)	%	1	15.0	17.0	13	7.2	11.0	42	20.0	23.0	14	15.0	17.0	13	15.0			7.2			20.0			15.0					
Total MAH	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Isopropylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Styrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Arsenic	mg/kg	2 (Primary): 5 (Interlab)	16.0	13.0	21	<2.0	<2.0	0	14.0	11.0	24	8.4	7.1	17	16.0	11.0	37	<2.0			14.0	10.0	33	8.4			12.0	10.0	18
Cadmium	mg/kg	0.4 (Primary): 1 (Interlab)	<0.4	0.5	22	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<1.0	0	<0.4			<0.4	<1.0	0	<0.4			<0.4	<1.0	0
Chromium (III+VI)	mg/kg	5 (Primary): 2 (Interlab)	36.0	32.0	12	53.0	36.0	38	21.0	26.0	21	22.0	23.0	4	36.0	35.0	3	53.0			21.0	13.0	47	22.0			23.0	17.0	30
Copper	mg/kg	5	19.0	15.0	24	50.0	58.0	15	24.0	28.0	15	28.0	31.0	10	19.0	15.0	24	50.0			24.0	20.0	18	28.0			21.0	18.0	15
Lead	mg/kg	5	24.0	21.0	13	<5.0	<5.0	0	30.0	28.0	7	16.0	16.0	0	24.0	22.0	9	<5.0			30.0	23.0	26	16.0			10.0	10.0	0
Mercury	mg/kg	0.1	<0.1	0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1			<0.1	<0.1	0	<0.1			<0.1	<0.1	0
Nickel	mg/kg	5 (Primary): 2 (Interlab)	7.6	5.6	30	110.0	96.0	14	20.0	20.0	0	6.4	6.1	5	7.6	6.0	24	110.0			20.0	14.0	35	6.4			7.1	5.0	35
Zinc	mg/kg	5	27.0	23.0	16	67.0	60.0	11	51.0	47.0	8	30.0	29.0	3	27.0	19.0	35	67.0			51.0	37.0	32	30.0			37.0	27.0	31
2-Picoline	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
4-aminobiphenyl	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Pentachloronitrobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1			<0.1			<0.1			<0.1					
Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1			<0.1			<0.1			<0.1					
4,4-DDE	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
4,4-DDE	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
a-BHC	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
a-BHC	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Aldrin	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Aldrin	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
b-BHC	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
b-BHC	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
chlordane	mg/kg	0.1 (Primary): 0.05 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.05	0	<0.1			<0.1	<0.05	0	<0.1			<0.1	<0.05	0
d-BHC	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
d-BHC	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
DDD	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
DDD	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
DDT	mg/kg	1 (Primary): 0.2 (Interlab)	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<0.2	0	<1.0			<1.0	<0.2	0	<1.0			<1.0	<0.2	0
DDT	mg/kg	0.05 (Primary): 1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.2	0	<0.05			<0.05	<0.2	0	<0.05			<0.05	<0.2	0
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Dieldrin	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Dieldrin	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Endosulfan I	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Endosulfan I	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Endosulfan II	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Endosulfan II	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Endosulfan sulphate	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Endosulfan sulphate	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Endrin	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Endrin	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Endrin aldehyde	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Endrin ketone	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
g-BHC (Lindane)	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
g-BHC (Lindane)	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Heptachlor	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Heptachlor	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Heptachlor epoxide	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.05	0	<0.5			<0.5	<0.05	0	<0.5			<0.5	<0.05	0
Heptachlor epoxide	mg/kg	0.05 (Primary): 0.5 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05			<0.05	<0.05	0	<0.05			<0.05	<0.05	0
Methoxychlor	mg/kg	0.5 (Primary): 0.2 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.2	0	<0.5			<0.5	<0.2	0	<0.5			<0.5	<0.2	0
Methoxychlor	mg/kg	0.05 (Primary): 0.2 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.2	0	<0.05			<0.05	<0.2	0	<0.05			<0.05	<0.2	0
Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Tokuthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Azinophos methyl	mg/kg	0.2 (Primary): 0.05 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Chlorfenvinphos	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Chlorpyrifos	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Chlorpyrifos-methyl	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Coumaphos	mg/kg	2	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0			<2.0			<2.0			<2.0					
Demeton-O	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Demeton-S	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Diazinon	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Dichlorvos	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Dimethoate	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Disulfoton	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Ethion	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Ethoprop	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Fenitrothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Fensulfothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Fenthion	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
EPN	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Malathion	mg/kg	0.2 (Primary): 0.5 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2			<0.2	<0.05	0	<0.2			<0.2	<0.05	0
Merphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					

		SDG	26-Oct-21	26-Oct-21		26-Oct-21	26-Oct-21		27-Oct-21	27-Oct-21		27-Oct-21	27-Oct-21		26-Oct-21	ALSE-Sydney 01-Nov-21		26-Oct-21	ALSE-Sydney 01-Nov-21		27-Oct-21	ALSE-Sydney 02-Nov-21		27-Oct-21	ALSE-Sydney 02-Nov-21		27-Oct-21	ALSE-Sydney 02-Nov-21	
		Field ID	AI_1B_TP59_0.1	AI_1B_20211025_D01	RPD	AI_1B_TP47_0.1	AI_1B_20211025_D02	RPD	AI_1B_TP20_0.1	AI_1B_20211027_D01	RPD	AI_1B_TP17_0.4	AI_1B_20211027_D02	RPD	AI_1B_TP59_0.1	1B_202110125_T01	RPD	AI_1B_TP47_0.1	1B_202110125_T02	RPD	AI_1B_TP20_0.1	1B_20211027_T01	RPD	AI_1B_TP17_0.4	1B_20211027_T02	RPD	AI_1B_TP03_0.3	1B_20211027_T03	RPD
		Sampled Date/Time	25/10/2021	25/10/2021		25/10/2021	25/10/2021		27/10/2021	27/10/2021		27/10/2021	27/10/2021		25/10/2021	25/10/2021		25/10/2021	25/10/2021		27/10/2021	27/10/2021		27/10/2021	27/10/2021		27/10/2021	27/10/2021	
ChemName	**Units**	**EQL**																											
Methyl parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2	<0.2	0	<0.2			<0.2	<0.2	0
Mevinphos (Phosdrin)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Monocrotophos	mg/kg	2 (Primary): 0.2 (Interlab)	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<0.2	0	<2.0			<2.0	<0.2	0	<2.0			<2.0	<0.2	0
Naled (Dibrom)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Omethoate	mg/kg	2	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0			<2.0			<2.0			<2.0					
Phorate	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Pyrazophos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Ronnel	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Terbufos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Trichloronate	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Tetrachlorvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Acetophenone	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
1-Chloronaphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
2-chloronaphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
2-methylnaphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
3-methylcholanthrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
7,12-dimethylbenz(a)anthracene	mg/kg	0.5	<2.5	<2.5	0	<0.5	<0.5	0	<0.5	<2.5	0	<2.5	<0.5	0	<2.5	<0.5	0	<0.5			<0.5	<0.5	0	<2.5			<2.5	<0.5	0
Acenaphthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Acenaphthylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Benzo(a) pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Chrysene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Fluorene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<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	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Phenanthrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<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	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6			0.6	0.6	0	0.6			0.6	0.6	0
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2			1.2	1.2	0	1.2			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	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2	<0.2	0	<0.2			<0.2	<0.2	0
Pirimiphos-methyl	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2			<0.2			<0.2			<0.2					
Bis(2-ethylhexyl) phthalate	mg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0	<5.0	0	<5.0			<5.0	<5.0	0
Butyl benzyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Diethylphthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Dimethyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Di-n-butyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Di-n-octyl phthalate	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Methyl Ethyl Ketone	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
4-Methyl-2-pentanone	mg/kg	0.5 (Primary): 5 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<5.0	0	<0.5			<0.5	<5.0	0	<0.5			<0.5	<5.0	0
Acetone	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Allyl chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
3,3-Dichlorobenzidine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
4-(dimethylamino) azobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
4-bromophenyl phenyl ether	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
4-chlorophenyl phenyl ether	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Bis(2-chloroethoxy) methane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
Bis(2-chloroisopropyl) ether	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					
Dibenzofuran	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
N-nitrosopiperidine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5	<0.5	0	<0.5			<0.5	<0.5	0
C6-C9	mg/kg	20 (Primary): 10 (Interlab)	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<10.0	0	<20.0			<20.0	<10.0	0	<20.0			<20.0	<10.0	0
C10-C14	mg/kg	20 (Primary): 50 (Interlab)	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<50.0	0	<20.0			<20.0	<50.0	0	<20.0			<20.0	<50.0	0
C15-C28	mg/kg	50 (Primary): 100 (Interlab)	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<100.0	0	<50.0			<50.0	<100.0	0	<50.0			<50.0	<100.0	0
C29-C36	mg/kg	50 (Primary): 100 (Interlab)	54.0	<50.0	8	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	54.0	<100.0	0	<50.0			<50.0	<100.0	0	<50.0			<50.0	<100.0	0
C10-C36	mg/kg	50	54.0	<50.0	8	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	54.0	<50.0	8	<50.0			<50.0	<50.0	0	<50.0			<50.0	<50.0	0
Dibenz(a,j)acridine	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5			<0.5			<0.5			<0.5					

		SDG	5-Nov-21	5-Nov-21		5-Nov-21	5-Nov-21		5-Nov-21	5-Nov-21		11-Nov-21	11-Nov-21	
		Field ID	AI_TP239_0.3	AI_20211101_D03	**RPD**	AI_TP203_0.1	AI_20211102_D03	**RPD**	AI_TP201_0.3	AI_20211102_D04	**RPD**	AI_TP145_0.1	AI_20211108_D01	**RPD**
		Sampled Date/Time	1/11/2021	1/11/2021		2/11/2021	2/11/2021		2/11/2021	2/11/2021		8/11/2021	8/11/2021	
ChemName	**Units**	**EQL**												
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/kg	10 (Primary): 0.5 (Interlab)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorobutanoic acid (PFBA)	µg/kg	5 (Primary): 1 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorodecanoic acid (PFDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorododecanoic acid (PFDoDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoroheptanoic acid (PFHpA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorohexanoic acid (PFHxA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorononanoic acid (PFNA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorooctanoic acid (PFOA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoropentanoic acid (PFPeA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorotetradecanoic acid (PFTeDA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorotridecanoic acid (PFTrDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoroundecanoic acid (PFUnDA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorobutane sulfonic acid (PFBS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorodecanesulfonic acid (PFDS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorohexane sulfonic acid (PFHxS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorononanesulfonic acid (PFNS)	µg/kg	5				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorooctanesulfonic acid (PFOS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoropentane sulfonic acid (PFPeS)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoropropanesulfonic acid (PFPrS)	µg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-ethyl-perfluorooctanesulfonamidoacetic acid	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-methyl perfluorooctane sulfonamide (NMeFOSA)	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-methylperfluorooctane sulfonamidoacetic acid	µg/kg	10 (Primary): 0.2 (Interlab)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
N-methylperfluorooctanesulfonamidoethanol	µg/kg	5 (Primary): 0.5 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorooctane sulfonamide (PFOSA)	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Sum of PFAS	µg/kg	50 (Primary): 0.2 (Interlab)	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0
Sum of PFHxS and PFOS	µg/kg	5 (Primary): 0.2 (Interlab)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Sum of PFAS (WA DER List)	µg/kg	10				<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	µg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Sum of US EPA PFAS (PFOS + PFOA)*	µg/kg	5	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
2,3,4,6-Tetrachlorophenol	mg/kg	0.5				<0.5	<0.5	0				<1.0	<0.5	0
2,4,5-Trichlorophenol	mg/kg	1 (Primary): 0.5 (Interlab)				<1.0	<1.0	0				<1.0	<1.0	0
2,4,6-Trichlorophenol	mg/kg	1 (Primary): 0.5 (Interlab)				<1.0	<1.0	0				<1.0	<1.0	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				<5.0	<5.0	0				<5.0	<5.0	0
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 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0
2-Nitrophenol	mg/kg	1 (Primary): 0.5 (Interlab)				<1.0	<1.0	0				<1.0	<1.0	0
4,6-Dinitro-2-methylphenol	mg/kg	5				<5.0	<5.0	0				<5.0	<5.0	0
4-chloro-3-methylphenol	mg/kg	1 (Primary): 0.5 (Interlab)				<1.0	<1.0	0				<1.0	<1.0	0
4-Nitrophenol	mg/kg	5				<5.0	<5.0	0				<5.0	<5.0	0
Pentachlorophenol	mg/kg	1				<2.0	<1.0	0				<1.0	<1.0	0
Phenol	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
3&4-Methylphenol (m&p-Cresol)	mg/kg	0.4				<0.4	<0.4	0				<0.4	<0.4	0
C6-C10	mg/kg	20 (Primary): 10 (Interlab)				<20.0	<20.0	0				<20.0	<20.0	0
C6-C10 (F1 minus BTEX)	mg/kg	20 (Primary): 10 (Interlab)				<20.0	<20.0	0				<20.0	<20.0	0
C10-C16	mg/kg	50				<50.0	<50.0	0				<50.0	<50.0	0
C10-C16 (F2 minus Naphthalene)	mg/kg	50				<50.0	<50.0	0				<50.0	<50.0	0
C16-C34	mg/kg	100				<100.0	<100.0	0				<100.0	140.0	33
C34-C40	mg/kg	100				<100.0	<100.0	0				<100.0	<100.0	0
C10-C40 (Sum of total)	mg/kg	100 (Primary): 50 (Interlab)				<100.0	<100.0	0				<100.0	140.0	33
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
1-naphthylamine	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
2-naphthylamine	mg/kg	0.5				<0.5	<0.5	0				<1.0	<0.5	0
Diphenylamine	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
2-nitroaniline	mg/kg	1				<1.0	<1.0	0				<1.0	<1.0	0
Aniline	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
Benzene	mg/kg	0.1 (Primary): 0.2 (Interlab)				<0.1	<0.1	0				<0.1	<0.1	0
Toluene	mg/kg	0.1 (Primary): 0.5 (Interlab)				<0.1	<0.1	0				<0.1	<0.1	0
Ethylbenzene	mg/kg	0.1 (Primary): 0.5 (Interlab)				<0.1	<0.1	0				<0.1	<0.1	0
Xylene (m & p)	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0
Xylene (o)	mg/kg	0.1 (Primary): 0.5 (Interlab)				<0.1	<0.1	0				<0.1	<0.1	0
Xylene Total	mg/kg	0.3 (Primary): 0.5 (Interlab)				<0.3	<0.3	0				<0.3	<0.3	0
Chlorinated hydrocarbons EPAVic	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
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
1,2,3-trichloropropane	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
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
Benzyl chloride	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
Bromochloromethane	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
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 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0
Chloroform	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
Chloromethane	mg/kg	0.5 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	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	<0.5	0
Hexachlorobutadiene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
Hexachlorocyclopentadiene	mg/kg	1 (Primary): 2.5 (Interlab)				<1.0	<1.0	0				<1.0	<1.0	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 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0
2,4-Dinitrotoluene	mg/kg	0.5 (Primary): 1 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0
2,6-dinitrotoluene	mg/kg	1				<1.0	<1.0	0				<1.0	<1.0	0
Nitrobenzene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
1,2,3,4-tetrachlorobenzene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
1,2,3,5-Tetrachlorobenzene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
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	<0.5	0
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
1,2-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	<0.5	0
1,3-dichlorobenzene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
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
1,4-dichlorobenzene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
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	0.5 (Primary): 1 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0
Hexachlorobenzene	mg/kg	0.05 (Primary): 1 (Interlab)				<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
1,2-dibromoethane	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
Bromomethane	mg/kg	0.5 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0
Dichlorodifluoromethane	mg/kg	0.5 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0
Iodomethane	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0
Trichlorofluoromethane	mg/kg	0.5 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0

SDG	11-Nov-21	11-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21	
Field ID	AI_TP112_0.1	AI_20211108_D02	**RPD**	AI_TP82_0.3	AI_20211116-D01	**RPD**	AI_TP115_0.1	AI_20211115_D01	**RPD**	AI_TP116_0.1	AI_20211115_D02	**RPD**	AI_TP110_0.1	AI_20211115_D03	**RPD**
Sampled Date/Time	8/11/2021	8/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021	
ChemName															
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	<10.0	<10.0	0				<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorobutanoic acid (PFBA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorodecanoic acid (PFDA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorododecanoic acid (PFDoDA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoroheptanoic acid (PFHpA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorohexanoic acid (PFHxA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorononanoic acid (PFNA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorooctanoic acid (PFOA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoropentanoic acid (PFPeA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorotetradecanoic acid (PFTeDA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorotridecanoic acid (PFTrDA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoroundecanoic acid (PFUnDA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorobutane sulfonic acid (PFBS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorodecanesulfonic acid (PFDS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoroheptane sulfonic acid (PFHpS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorohexane sulfonic acid (PFHxS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorononanesulfonic acid (PFNS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorooctanesulfonic acid (PFOS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoropentane sulfonic acid (PFPeS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluoropropanesulfonic acid (PFPrS)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-ethyl-perfluorooctanesulfonamidoacetic acid	<10.0	<10.0	0				<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-methyl perfluorooctane sulfonamide (NMeFOSA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
N-methylperfluorooctane sulfonamidoacetic acid	<10.0	<10.0	0				<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
N-methylperfluorooctanesulfonamidoethanol	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Perfluorooctane sulfonamide (PFOSA)	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Sum of PFAS	<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0
Sum of PFHxS and PFOS	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Sum of PFAS (WA DER List)	<10.0	<10.0	0				<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
Sum of US EPA PFAS (PFOS + PFOA)*	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0
2,3,4,6-Tetrachlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2,4,5-Trichlorophenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
2,4,6-Trichlorophenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
2,4-Dichlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2,4-Dimethylphenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2,4-Dinitrophenol	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0			
2,6-Dichlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2-Chlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2-Methylphenol	<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0			
2-Nitrophenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
4,6-Dinitro-2-methylphenol	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0			
4-chloro-3-methylphenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
4-Nitrophenol	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0			
Pentachlorophenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
Phenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
3&4-Methylphenol (m&p-Cresol)	<0.4	<0.4	0				<0.4	<0.4	0	<0.4	<0.4	0			
C6-C10	<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<20.0	0			
C6-C10 (F1 minus BTEX)	<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<20.0	0			
C10-C16	<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<50.0	0			
C10-C16 (F2 minus Naphthalene)	<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<50.0	0			
C16-C34	<100.0	120.0	18				<100.0	<100.0	0	<100.0	<100.0	0			
C34-C40	<100.0	<100.0	0				<100.0	<100.0	0	<100.0	<100.0	0			
C10-C40 (Sum of total)	<100.0	120.0	18				<100.0	<100.0	0	<100.0	<100.0	0			
N-nitrosodi-n-butylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
N-nitrosodi-n-propylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1-naphthylamine	<0.5	<0.5	0				<0.5	<1.0	0	<0.5	<1.0	0			
2-naphthylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Diphenylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2-nitroaniline	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
Aniline	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Benzene	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0			
Toluene	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0			
Ethylbenzene	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0			
Xylene (m & p)	<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0			
Xylene (o)	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0			
Xylene Total	<0.3	<0.3	0				<0.3	<0.3	0	<0.3	<0.3	0			
Chlorinated hydrocarbons EPAVic	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Other chlorinated hydrocarbons EPAVic	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1,1,2-tetrachloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1,1-trichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1,2,2-tetrachloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1,2-trichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1-dichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1-dichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,3-trichloropropane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichloropropane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,3-dichloropropane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Benzyl chloride	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromochloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromodichloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromoform	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Carbon tetrachloride	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chlorodibromomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chloroform	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
cis-1,2-dichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
cis-1,3-dichloropropene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Dibromomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Dichloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Hexachlorobutadiene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Hexachlorocyclopentadiene	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
Hexachloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Trichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Tetrachloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
trans-1,2-dichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
trans-1,3-dichloropropene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Vinyl chloride	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2,4-Dinitrotoluene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2,6-dinitrotoluene	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
Nitrobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,3,4-tetrachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,3,5-Tetrachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,3-trichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,4,5-tetrachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,4-trichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,3,5-Trichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,3-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,3-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,4-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,4-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
4-chlorotoluene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Hexachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Hexachlorobenzene	<0.05	<0.05	0							<0.05	<0.05	0			
Pentachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dibromoethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Dichlorodifluoromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Iodomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Trichlorofluoromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			

SDG	16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		11-Nov-21	11-Nov-21		5-Nov-21	ALSE-Sydney 12-Nov-21		5-Nov-21	ALSE-Sydney 12-Nov-21	
Field ID	AI_TP116_0.1	AI_20211115_T02	**RPD**	AI_TP110_0.1	AI_20211115_T03	**RPD**	AI_TP55-0.1	AI_20211109-D01	**RPD**	AI_TP203_0.1	20211102_T03	**RPD**	AI_TP201_0.3	20211102_T04	**RPD**
Sampled Date/Time	15/11/2021	15/11/2021		15/11/2021	15/11/2021		9/11/2021	9/11/2021		2/11/2021	2/11/2021		2/11/2021	2/11/2021	
ChemName															
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<0.5	0	<10.0	<0.5	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
Perfluorobutanoic acid (PFBA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<1.0	0	<5.0	<1.0	0
Perfluorodecanoic acid (PFDA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorododecanoic acid (PFDoDA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoroheptanoic acid (PFHpA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorohexanoic acid (PFHxA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorononanoic acid (PFNA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorooctanoic acid (PFOA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoropentanoic acid (PFPeA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorotetradecanoic acid (PFTeDA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
Perfluorotridecanoic acid (PFTrDA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoroundecanoic acid (PFUnDA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorobutane sulfonic acid (PFBS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorodecanesulfonic acid (PFDS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoroheptane sulfonic acid (PFHpS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorohexane sulfonic acid (PFHxS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluorononanesulfonic acid (PFNS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0		
Perfluorooctanesulfonic acid (PFOS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoropentane sulfonic acid (PFPeS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Perfluoropropanesulfonic acid (PFPrS)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0		
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
N-ethyl-perfluorooctanesulfonamidoacetic acid	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<0.2	0	<10.0	<0.2	0
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
N-methyl perfluorooctane sulfonamide (NMeFOSA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
N-methylperfluorooctane sulfonamidoacetic acid	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<0.2	0	<10.0	<0.2	0
N-methylperfluorooctanesulfonamidoethanol	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.5	0	<5.0	<0.5	0
Perfluorooctane sulfonamide (PFOSA)	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Sum of PFAS	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<0.2	0	<50.0	<0.2	0
Sum of PFHxS and PFOS	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<0.2	0	<5.0	<0.2	0
Sum of PFAS (WA DER List)	<10.0	<10.0	0	<10.0	<10.0	0	<10.0	<10.0	0	<10.0			<10.0		
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0		
Sum of US EPA PFAS (PFOS + PFOA)*	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	<5.0			<5.0		
2,3,4,6-Tetrachlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
2,4,5-Trichlorophenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<0.5	0			
2,4,6-Trichlorophenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<0.5	0			
2,4-Dichlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2,4-Dimethylphenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2,4-Dinitrophenol	<5.0	<5.0	0				<5.0	<5.0	0	<5.0					
2,6-Dichlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2-Chlorophenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
2-Methylphenol	<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.5	0			
2-Nitrophenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<0.5	0			
4,6-Dinitro-2-methylphenol	<5.0	<5.0	0				<5.0	<5.0	0	<5.0					
4-chloro-3-methylphenol	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<0.5	0			
4-Nitrophenol	<5.0	<5.0	0				<5.0	<5.0	0	<5.0					
Pentachlorophenol	<1.0	<1.0	0				<1.0	<1.0	0	<2.0	<1.0	0			
Phenol	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
3&4-Methylphenol (m&p-Cresol)	<0.4	<0.4	0				<0.4	<0.4	0	<0.4					
C6-C10	<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<10.0	0			
C6-C10 (F1 minus BTEX)	<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<10.0	0			
C10-C16	<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<50.0	0			
C10-C16 (F2 minus Naphthalene)	<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<50.0	0			
C16-C34	<100.0	<100.0	0				<100.0	<100.0	0	<100.0	<100.0	0			
C34-C40	<100.0	<100.0	0				<100.0	<100.0	0	<100.0	<100.0	0			
C10-C40 (Sum of total)	<100.0	<100.0	0				<100.0	<100.0	0	<100.0	<50.0	0			
N-nitrosodi-n-butylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
N-nitrosodi-n-propylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1-naphthylamine	<0.5	<1.0	0				<0.5	<1.0	0	<0.5	<0.5	0			
2-naphthylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Diphenylamine	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
2-nitroaniline	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
Aniline	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Benzene	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.2	0			
Toluene	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.5	0			
Ethylbenzene	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.5	0			
Xylene (m & p)	<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.5	0			
Xylene (o)	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.5	0			
Xylene Total	<0.3	<0.3	0				<0.3	<0.3	0	<0.3	<0.5	0			
Chlorinated hydrocarbons EPAVic	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Other chlorinated hydrocarbons EPAVic	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
1,1,1,2-tetrachloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1,1-trichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1,2,2-tetrachloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1,2-trichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1-dichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,1-dichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,3-trichloropropane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichloropropane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,3-dichloropropane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Benzyl chloride	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Bromochloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Bromodichloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromoform	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Carbon tetrachloride	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chlorodibromomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			
Chloroform	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			
cis-1,2-dichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
cis-1,3-dichloropropene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Dibromomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Dichloromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Hexachlorobutadiene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Hexachlorocyclopentadiene	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<2.5	0			
Hexachloroethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Trichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Tetrachloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
trans-1,2-dichloroethene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
trans-1,3-dichloropropene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Vinyl chloride	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			
2,4-Dinitrotoluene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<1.0	0			
2,6-dinitrotoluene	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0			
Nitrobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,3,4-tetrachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
1,2,3,5-Tetrachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
1,2,3-trichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2,4,5-tetrachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
1,2,4-trichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,3,5-Trichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
1,3-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,3-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,4-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,4-dichlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
4-chlorotoluene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Chlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Hexachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Hexachlorobenzene	<0.05	<0.05	0							<0.05	<0.05	0			
Pentachlorobenzene	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1,2-dibromoethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bromomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			
Dichlorodifluoromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			
Iodomethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Trichlorofluoromethane	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			

		SDG	5-Nov-21	5-Nov-21		5-Nov-21	5-Nov-21		5-Nov-21	5-Nov-21		11-Nov-21	11-Nov-21		11-Nov-21	11-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		11-Nov-21	11-Nov-21		5-Nov-21	ALSE-Sydney 12-Nov-21		5-Nov-21	ALSE-Sydney 12-Nov-21	
		Field ID	AI_TP239_0.3	AI_20211101_D03	**RPD**	AI_TP203_0.1	AI_20211102_D03	**RPD**	AI_TP201_0.3	AI_20211102_D04	**RPD**	AI_TP145_0.1	AI_20211108_D01	**RPD**	AI_TP112_0.1	AI_20211108_D02	**RPD**	AI_TP82_0.3	AI_20211116-D01	**RPD**	AI_TP115_0.1	AI_20211115_D01	**RPD**	AI_TP116_0.1	AI_20211115_D02	**RPD**	AI_TP110_0.1	AI_20211115_D03	**RPD**	AI_TP116_0.1	AI_20211115_T02	**RPD**	AI_TP110_0.1	AI_20211115_T03	**RPD**	AI_TP55-0.1	AI_20211109-D01	**RPD**	AI_TP203_0.1	20211102_T03	**RPD**	AI_TP201_0.3	20211102_T04	**RPD**
		Sampled Date/Time	1/11/2021	1/11/2021		2/11/2021	2/11/2021		2/11/2021	2/11/2021		8/11/2021	8/11/2021		8/11/2021	8/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		9/11/2021	9/11/2021		2/11/2021	2/11/2021		2/11/2021	2/11/2021	
ChemName	**Units**	**EQL**																																										
Pronamide	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Trifluralin	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Moisture Content (dried @ 103°C)	%	1	17.0	16.0	6	15.0	17.0	13	17.0	15.0	13	22.0	22.0	0	21.0	20.0	5				19.0	21.0	10	19.0	20.0	5	24.0	22.0	9	19.0	19.0	0	24.0	24.0	0	21.0	18.0	15	15.0			17.0		
Total MAH	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Styrene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Arsenic	mg/kg	2 (Primary): 5 (Interlab)				**4.8**	**12.0**	**86**				18.0	22.0	20	13.0	7.4	55				7.1	7.5	5	11.0	13.0	17				11.0	11.0	0				5.9	5.8	2	4.8	10.0	70			
Cadmium	mg/kg	0.4 (Primary): 1 (Interlab)				<0.4	<0.4	0				<0.4	<0.4	0	<0.4	<0.4	0				<0.4	<0.4	0	<0.4	<0.4	0				<0.4	<0.4	0				<0.4	<0.4	0	<0.4	<1.0	0			
Chromium (III+VI)	mg/kg	5 (Primary): 2 (Interlab)				**13.0**	**35.0**	**92**				22.0	22.0	0	27.0	16.0	51				18.0	17.0	6	22.0	21.0	5				22.0	21.0	5				18.0	17.0	6	**13.0**	**28.0**	**73**			
Copper	mg/kg	5				5.4	9.6	56				25.0	23.0	8	20.0	17.0	16				14.0	14.0	0	19.0	18.0	5				19.0	16.0	17				21.0	20.0	5	5.4	9.0	50			
Lead	mg/kg	5				13.0	29.0	76				17.0	23.0	30	27.0	21.0	25				18.0	19.0	5	24.0	27.0	12				24.0	22.0	9				17.0	17.0	0	13.0	24.0	59			
Mercury	mg/kg	0.1				<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0			
Nickel	mg/kg	5 (Primary): 2 (Interlab)				<5.0	9.3	60				22.0	16.0	32	11.0	6.9	46				13.0	13.0	0	13.0	12.0	8				13.0	12.0	8				13.0	13.0	0	<5.0	7.0	33			
Zinc	mg/kg	5				8.8	19.0	73				36.0	42.0	15	47.0	36.0	27				18.0	27.0	40	29.0	32.0	10				29.0	32.0	10				34.0	36.0	6	8.8	10.0	13			
2-Picoline	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
4-aminobiphenyl	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Pentachloronitrobenzene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Organochlorine pesticides EPAVic	mg/kg	0.1				<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0				<0.1	<0.1	0							<0.1					
Other organochlorine pesticides EPAVic	mg/kg	0.1				<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0				<0.1	<0.1	0							<0.1					
4,4-DDE	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
4,4-DDE	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
a-BHC	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
a-BHC	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Aldrin	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Aldrin	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<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	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
b-BHC	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
b-BHC	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
chlordane	mg/kg	0.1 (Primary): 0.05 (Interlab)				<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0				<0.1	<0.1	0							<0.1	<0.05	0			
d-BHC	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
d-BHC	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
DDD	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
DDD	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
DDT	mg/kg	1 (Primary): 0.2 (Interlab)				<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<1.0	0				<1.0	<1.0	0				<1.0	<1.0	0	<1.0	<0.2	0			
DDT	mg/kg	0.05 (Primary): 1 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<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	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Dieldrin	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Dieldrin	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Endosulfan I	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Endosulfan I	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Endosulfan II	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Endosulfan II	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Endosulfan sulphate	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Endosulfan sulphate	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Endrin	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Endrin	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Endrin aldehyde	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Endrin aldehyde	mg/kg	0.05				<0.05	<0.05	0				<0.05	0.06	18	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Endrin ketone	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Endrin ketone	mg/kg	0.05				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
g-BHC (Lindane)	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
g-BHC (Lindane)	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Heptachlor	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Heptachlor	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Heptachlor epoxide	mg/kg	0.5 (Primary): 0.05 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0			
Heptachlor epoxide	mg/kg	0.05 (Primary): 0.5 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.05	0			
Methoxychlor	mg/kg	0.5 (Primary): 0.2 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.2	0			
Methoxychlor	mg/kg	0.05 (Primary): 0.2 (Interlab)				<0.05	<0.05	0				<0.05	<0.05	0	<0.05	<0.05	0							<0.05	<0.05	0				<0.05	<0.05	0							<0.05	<0.2	0			
Toxaphene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0				<0.5	<0.5	0							<0.5					
Tokuthion	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Azinophos methyl	mg/kg	0.2 (Primary): 0.05 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Bolstar (Sulprofos)	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Chlorfenvinphos	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Chlorpyrifos	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Chlorpyrifos-methyl	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Coumaphos	mg/kg	2				<2.0	<2.0	0				<2.0	<2.0	0	<2.0	<2.0	0							<2.0	<2.0	0				<2.0	<2.0	0							<2.0					
Demeton-O	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Demeton-S	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Diazinon	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Dichlorvos	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Dimethoate	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Disulfoton	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Ethion	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Ethoprop	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Fenitrothion	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Fensulfothion	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Fenthion	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
EPN	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Malathion	mg/kg	0.2 (Primary): 0.5 (Interlab)				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.05	0			
Merphos	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Methyl parathion	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.2	0			
Mevinphos (Phosdrin)	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Monocrotophos	mg/kg	2 (Primary): 0.2 (Interlab)				<2.0	<2.0	0				<2.0	<2.0	0	<2.0	<2.0	0							<2.0	<2.0	0				<2.0	<2.0	0							<2.0	<0.2	0			
Naled (Dibrom)	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Omethoate	mg/kg	2				<2.0	<2.0	0				<2.0	<2.0	0	<2.0	<2.0	0							<2.0	<2.0	0				<2.0	<2.0	0							<2.0					
Phorate	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Pyrazophos	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Ronnel	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Terbufos	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Trichloronate	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Tetrachlorvinphos	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Acetophenone	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
1-Chloronaphthalene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
2-chloronaphthalene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
7,12-dimethylbenz(a)anthracene	mg/kg	0.5				<0.5	<0.5	0				<1.0	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<1.0	0	<0.5	<0.5	0			
Acenaphthene	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	0.6	0.6	0				0.6	0.6	0	0.6	0.6	0				0.6	0.6	0				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	1.2	1.2	0				1.2	1.2	0	1.2	1.2	0				1.2	1.2	0				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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Parathion	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2	<0.2	0			
Pirimiphos-methyl	mg/kg	0.2				<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0				<0.2	<0.2	0							<0.2					
Bis(2-ethylhexyl) phthalate	mg/kg	5				<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0				<5.0	<5.0	0				<5.0	<5.0	0	<5.0	<5.0	0			
Butyl benzyl phthalate	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	**2.4**	**<0.5**	**131**				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Methyl Ethyl Ketone	mg/kg	0.5 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			
4-Methyl-2-pentanone	mg/kg	0.5 (Primary): 5 (Interlab)				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<5.0	0			
Acetone	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5					

		SDG	5-Nov-21	5-Nov-21		5-Nov-21	5-Nov-21		5-Nov-21	5-Nov-21		11-Nov-21	11-Nov-21		11-Nov-21	11-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		16-Nov-21	16-Nov-21		11-Nov-21	11-Nov-21		5-Nov-21	ALSE-Sydney 12-Nov-21		5-Nov-21	ALSE-Sydney 12-Nov-21	
		Field ID	AI_TP239_0.3	AI_20211101_D03	RPD	AI_TP203_0.1	AI_20211102_D03	RPD	AI_TP201_0.3	AI_20211102_D04	RPD	AI_TP145_0.1	AI_20211108_D01	RPD	AI_TP112_0.1	AI_20211108_D02	RPD	AI_TP82_0.3	AI_20211116-D01	RPD	AI_TP115_0.1	AI_20211115_D01	RPD	AI_TP116_0.1	AI_20211115_D02	RPD	AI_TP110_0.1	AI_20211115_D03	RPD	AI_TP116_0.1	AI_20211115_T02	RPD	AI_TP110_0.1	AI_20211115_T03	RPD	AI_TP55-0.1	AI_20211109-D01	RPD	AI_TP203_0.1	20211102_T03	RPD	AI_TP201_0.3	20211102_T04	RPD
		Sampled Date/Time	1/11/2021	1/11/2021		2/11/2021	2/11/2021		2/11/2021	2/11/2021		8/11/2021	8/11/2021		8/11/2021	8/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		15/11/2021	15/11/2021		9/11/2021	9/11/2021		2/11/2021	2/11/2021		2/11/2021	2/11/2021	
ChemName	**Units**	**EQL**																																													
Allyl chloride	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Carbon disulfide	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
3,3-Dichlorobenzidine	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<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	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bis(2-chloroethoxy) methane	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
Bis(2-chloroisopropyl) ether	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5					
Dibenzofuran	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
N-nitrosopiperidine	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0			
C6-C9	mg/kg	20 (Primary): 10 (Interlab)				<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<20.0	0				<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<10.0	0			
C10-C14	mg/kg	20 (Primary): 50 (Interlab)				<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<20.0	0				<20.0	<20.0	0				<20.0	<20.0	0	<20.0	<50.0	0			
C15-C28	mg/kg	50 (Primary): 100 (Interlab)				<50.0	<50.0	0				<50.0	75.0	40	<50.0	57.0	13				<50.0	<50.0	0	<50.0	<50.0	0				<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<100.0	0			
C29-C36	mg/kg	50 (Primary): 100 (Interlab)				<50.0	<50.0	0				58.0	75.0	26	52.0	75.0	36				<50.0	<50.0	0	<50.0	<50.0	0				<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<100.0	0			
C10-C36	mg/kg	50				<50.0	<50.0	0				**58.0**	**150.0**	**88**	**52.0**	**132.0**	**87**				<50.0	<50.0	0	<50.0	<50.0	0				<50.0	<50.0	0				<50.0	<50.0	0	<50.0	<50.0	0			
Dibenz(a,j)acridine	mg/kg	0.5				<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5	<0.5	0	<0.5					

			Lab Report Number	835522	861777	838536	835522	836571	861777
			Field ID	AI_1B_20211025_R01	20220209_R01	AI_TB	AI_TB	AI_TRIP BLANK	TB
			Sampled_Date/Time	25/10/2021	9/02/2022	2/11/2021	25/10/2021	27/10/2021	9/02/2022
			Sample Type	Rinsate	Rinsate	Trip_B	Trip_B	Trip_B	Trip_B
Chem_Group	**ChemName**	**Units**	**EQL**						
Amino Aliphatics	N-nitrosodiethylamine	µg/L	2						
	N-nitrosodi-n-butylamine	µg/l	2	<5	<5				
	N-nitrosodi-n-propylamine	µg/l	2	<5	<5				
	N-Nitrosomethylethylamine	µg/L	2						
Amino Aromatics	1-naphthylamine	µg/l	2	<5	<10				
	2-naphthylamine	µg/l	5	<10	<10				
	Diphenylamine	µg/l	5	<5	<5				
	N-Nitrosodiphenyl & Diphenylamine	µg/L	4						
Anilines	2-nitroaniline	µg/l	4	<5	<5				
	3-nitroaniline	µg/L	4						
	4-chloroaniline	µg/L	2						
	4-nitroaniline	µg/L	2						
	2-methyl-5-nitroaniline	µg/L	2						
	Aniline	µg/l	2	<5	<5				
BTEX	Benzene	µg/l	1	<1	<1	<1	<1	<1	<1
	Toluene	µg/l	1	<1	<1	<1	<1	<1	<1
	Ethylbenzene	µg/l	1	<1	<1	<1	<1	<1	<1
	Xylene (m & p)	µg/l	2	<2	<2	<2	<2	<2	<2
	Xylene (o)	µg/l	1	<1	<1	<1	<1	<1	<1
	Xylene Total	µg/l	2	<3	<3	<3	<3	<3	<3
	Total BTEX	µg/L	1						
Chlorinated Hydrocarbons	Chlorinated hydrocarbons EPAVic	µg/l	5	<5	<5				
	Other chlorinated hydrocarbons EPAVic	µg/l	5	<5	<5				
	1,1,1,2-tetrachloroethane	µg/l	1	<1	<1				
	1,1,1-trichloroethane	µg/l	1	<1	<1				
	1,1,2,2-tetrachloroethane	µg/l	1	<1	<1				
	1,1,2-trichloroethane	µg/L	1	<1	<1				
	1,1-dichloroethane	µg/L	1	<1	<1				
	1,1-dichloroethene	µg/l	1	<1	<1				
	1,1-dichloropropene	µg/L	5						
	1,2,3-trichloropropane	µg/l	1	<1	<1				
	1,2-dibromo-3-chloropropane	µg/L	5						
	1,2-dichloroethane	µg/l	1	<1	<1				
	1,2-dichloropropane	µg/l	1	<1	<1				
	1,3-dichloropropane	µg/l	1	<1	<1				
	2,2-dichloropropane	µg/L	5						
	Benzyl chloride	mg/l	0.005	<0.005	<0.005				
	Bromochloromethane	µg/l	1	<1	<1				
	Bromodichloromethane	µg/l	1	<1	<1				
	Bromoform	µg/l	1	<1	<1				
	Carbon tetrachloride	µg/l	1	<1	<1				
	Chlorodibromomethane	µg/l	1	<1	<1				
	Chloroethane	µg/l	5	<5	<5				
	Chloroform	µg/l	5	<5	<5				
	Chloromethane	µg/l	5	<5	<5				
	cis-1,2-dichloroethene	µg/l	1	<1	<1				
	cis-1,3-dichloropropene	µg/l	1	<1	<1				
	Dibromomethane	µg/l	1	<1	<1				
	Dichloromethane	µg/l	5	<5	<5				
	Hexachlorobutadiene	µg/L	2	<5	<5				
	Hexachlorocyclopentadiene	µg/l	5	<5	<5				
	Hexachloroethane	µg/L	2	<5	<5				
	Trichloroethene	µg/l	1	<1	<1				
	Tetrachloroethene	µg/l	1	<1	<1				
	trans-1,2-dichloroethene	µg/l	1	<1	<1				
	trans-1,3-dichloropropene	µg/l	1	<1	<1				
	Vinyl chloride	µg/l	5	<5	<5				
Explosives	1,3,5-Trinitrobenzene	mg/l	0.002						
	2,4-Dinitrotoluene	µg/l	4	<5	<5				
	2,6-dinitrotoluene	µg/L	4	<5	<5				
	Nitrobenzene	µg/l	2	<5	<5				
Halogenated Benzenes	1,2,3,4-tetrachlorobenzene	mg/l	0.005	<0.005	<0.005				
	1,2,3,5-Tetrachlorobenzene	mg/l	0.005	<0.005	<0.005				
	1,2,3-trichlorobenzene	µg/l	5	<5	<5				
	1,2,4,5-tetrachlorobenzene	µg/l	5	<5	<5				
	1,2,4-trichlorobenzene	µg/l	2	<5	<5				
	1,2-dichlorobenzene	µg/l	1	<5	<5				
	1,3,5-Trichlorobenzene	µg/l	5	<5	<5				
	1,3-dichlorobenzene	µg/l	1	<5	<5				
	1,4-dichlorobenzene	µg/L	1	<5	<5				
	2-chlorotoluene	µg/L	5						
	4-chlorotoluene	µg/l	1	<1	<1				
	Bromobenzene	µg/l	1	<1	<1				
	Chlorobenzene	µg/l	1	<1	<1				
	Hexachlorobenzene	µg/l	0.2	<5	<5				
	Pentachlorobenzene	µg/l	2	<5	<5				
Halogenated Hydrocarbons	1,2-dibromoethane	µg/l	1	<1	<1				
	Bromomethane	µg/l	5	<5	<5				
	Dichlorodifluoromethane	µg/l	5	<5	<5				
	Iodomethane	µg/l	1	<1	<1				
	Trichlorofluoromethane	µg/L	5	<5	<5				
Herbicides	Pronamide	µg/l	2	<5	<5				
	Trifluralin	mg/l	0.005	<0.005	<0.005				
MAH	Total MAH	mg/l	0.003	<0.003	<0.003				
	1,2,4-trimethylbenzene	µg/L	1	<1	<1				
	1,3,5-trimethylbenzene	µg/l	1	<1	<1				
	Isopropylbenzene	µg/l	1	<1	<1				
	n-butylbenzene	µg/L	5						
	n-propylbenzene	µg/L	5						
	p-isopropyltoluene	µg/L	5						
	sec-butylbenzene	µg/L	5						
	Styrene	µg/l	1	<1	<1				
	tert-butylbenzene	µg/L	5						
Metals	Arsenic	mg/l	0.001	<0.001	**0.003**				
	Cadmium	mg/l	0.0001	<0.0002	<0.0002				
	Chromium (III+VI)	mg/l	0.001	<0.001	<0.001				
	Copper	mg/l	0.001	<0.001	<0.001				
	Lead	mg/l	0.001	<0.001	<0.001				
	Mercury	mg/l	0.0001	<0.0001	<0.0001				
	Nickel	mg/l	0.001	<0.001	<0.001				
	Zinc	mg/l	0.005	<0.005	<0.005				

			Lab Report Number	835522	861777	838536	835522	836571	861777
			Field ID	AI_1B_20211025_R01	20220209_R01	AI_TB	AI_TB	AI_TRIP BLANK	TB
			Sampled_Date/Time	25/10/2021	9/02/2022	2/11/2021	25/10/2021	27/10/2021	9/02/2022
			Sample Type	Rinsate	Rinsate	Trip_B	Trip_B	Trip_B	Trip_B
Chem_Group	**ChemName**	**Units**	**EQL**						
Nitroaromatics	2-Picoline	µg/l	2	<5	<5				
	4-aminobiphenyl	µg/l	2	<5	<5				
	Pentachloronitrobenzene	µg/l	2	<5	<5				
Organochlorine Pesticides	Organochlorine pesticides EPAVic	µg/l	2	<2	<2				
	Other organochlorine pesticides EPAVic	µg/l	2	<2	<2				
	4,4-DDE	µg/L	0.2	<5	<5				
	a-BHC	µg/L	0.2	<5	<5				
	Aldrin	µg/l	0.2	<5	<5				
	Aldrin + Dieldrin	µg/l	0.2	<0.2	<0.2				
	b-BHC	µg/L	0.2	<5	<5				
	chlordane	µg/l	0.5	<2	<2				
	Chlordane (cis)	µg/L	0.5						
	Chlordane (trans)	µg/L	0.5						
	d-BHC	µg/l	0.2	<5	<5				
	DDD	µg/L	0.2	<5	<5				
	DDT	µg/l	0.2	<5	<5				
	DDT+DDE+DDD	µg/L	0.2	<0.2	<0.2				
	Dieldrin	µg/l	0.2	<5	<5				
	Endosulfan I	µg/l	0.2	<5	<5				
	Endosulfan II	µg/L	0.2	<5	<5				
	Endosulfan sulphate	µg/l	0.2	<5	<5				
	Endrin	µg/l	0.2	<5	<5				
	Endrin aldehyde	µg/l	0.2	<5	<5				
	Endrin ketone	µg/l	0.2	<5	<5				
	g-BHC (Lindane)	µg/l	0.2	<5	<5				
	Heptachlor	µg/l	0.2	<5	<5				
	Heptachlor epoxide	µg/L	0.2	<5	<5				
	Methoxychlor	µg/L	0.2	<5	<5				
	Toxaphene	mg/l	0.005	<0.005	<0.005				
Organophosphorous Pesticides	Tokuthion	mg/l	0.002	<0.002	<0.002				
	Azinophos methyl	µg/l	0.5	<2	<2				
	Bolstar (Sulprofos)	µg/l	2	<2	<2				
	Bromophos-ethyl	µg/L	0.5						
	Carbophenothion	µg/L	0.5						
	Chlorfenvinphos	µg/l	0.5	<20	<20				
	Chlorpyrifos	µg/l	0.5	<2	<2				
	Chlorpyrifos-methyl	mg/l	0.0005	<0.002	<0.002				
	Coumaphos	µg/l	20	<20	<20				
	Demeton-O	µg/l	2	<2	<2				
	Demeton-S	µg/l	2	<2	<2				
	Diazinon	µg/L	0.5	<2	<2				
	Dichlorvos	µg/L	0.5	<2	<2				
	Dimethoate	µg/l	0.5	<2	<2				
	Disulfoton	µg/l	2	<2	<2				
	Ethion	µg/l	0.5	<2	<2				
	Ethoprop	µg/l	2	<2	<2				
	Fenitrothion	µg/l	2	<2	<2				
	Fensulfothion	µg/l	2	<2	<2				
	Fenthion	µg/l	0.5	<2	<2				
	EPN	µg/l	2	<2	<2				
	Malathion	µg/l	0.5	<2	<2				
	Merphos	mg/l	0.002	<0.002	<0.002				
	Methyl parathion	µg/l	2	<2	<2				
	Mevinphos (Phosdrin)	µg/l	2	<2	<2				
	Monocrotophos	µg/l	2	<2	<2				
	Naled (Dibrom)	µg/l	2	<2	<2				
	Omethoate	µg/l	20	<20	<20				
	Phorate	µg/l	2	<2	<2				
	Prothiofos	µg/L	0.5						
	Pyrazophos	µg/l	2	<2	<2				
	Ronnel	µg/l	2	<2	<2				
	Terbufos	µg/l	2	<2	<2				
	Trichloronate	µg/l	2	<2	<2				
	Tetrachlorvinphos	mg/l	0.002	<0.002	<0.002				
Other	Acetophenone	µg/l	2	<5	<5				
PAH	Benzo(b+j+k)fluoranthene	mg/l	0.004						
	1-Chloronaphthalene	µg/l	5	<5	<5				
	2-chloronaphthalene	µg/l	2	<5	<5				
	2-methylnaphthalene	µg/l	2	<5	<5				
	3-methylcholanthrene	µg/l	2	<5	<5				
	7,12-dimethylbenz(a)anthracene	µg/l	2	<5	<5				
	Acenaphthene	µg/l	1	<1	<1				
	Acenaphthylene	µg/l	1	<1	<1				
	Anthracene	µg/l	1	<1	<1				
	Benz(a)anthracene	µg/L	1	<1	<1				
	Benzo(a) pyrene	µg/l	0.5	<1	<1				
	Benzo(b+j)fluoranthene	mg/l	0.001	<0.001	<0.001				
	Benzo(g,h,i)perylene	µg/L	1	<1	<1				
	Benzo(k)fluoranthene	µg/l	1	<1	<1				
	Chrysene	µg/l	1	<1	<1				
	Dibenz(a,h)anthracene	µg/l	1	<1	<1				
	Fluoranthene	µg/l	1	<1	<1				
	Fluorene	µg/l	1	<1	<1				
	Indeno(1,2,3-c,d)pyrene	µg/l	1	<1	<1				
	Naphthalene	µg/l	1	<10	<10				
	Phenanthrene	µg/l	1	<1	<1				
	Pyrene	µg/L	1	<1	<1				
	Benzo(a)pyrene TEQ calc (Zero)	mg/l	0.0005						
	PAHs (Sum of total)	µg/l	0.5	<1	<1				
Per- and Polyfluoroalkyl Subst	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.01	<0.01	<0.01				
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01	<0.01	<0.01				
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.05	<0.05	<0.05				
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.01	<0.01	<0.01				
	Perfluorobutanoic acid (PFBA)	µg/L	0.05	<0.05	<0.05				
	Perfluorodecanoic acid (PFDA)	µg/L	0.01	<0.01	<0.01				
	Perfluorododecanoic acid (PFDoDA)	µg/L	0.01	<0.01	<0.01				
	Perfluoroheptanoic acid (PFHpA)	µg/L	0.01	<0.01	<0.01				
	Perfluorohexanoic acid (PFHxA)	µg/L	0.01	<0.01	<0.01				
	Perfluorononanoic acid (PFNA)	µg/L	0.01	<0.01	<0.01				
	Perfluorooctanoic acid (PFOA)	µg/L	0.01	<0.01	<0.01				
	Perfluoropentanoic acid (PFPeA)	µg/L	0.01	<0.01	<0.01				
	Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.01	<0.01	<0.01				
	Perfluorotridecanoic acid (PFTrDA)	µg/L	0.01	<0.01	<0.01				
	Perfluoroundecanoic acid (PFUnDA)	µg/L	0.01	<0.01	<0.01				
	Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01	<0.01	<0.01				
	Perfluorodecanesulfonic acid (PFDS)	µg/L	0.01	<0.01	<0.01				
	Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01	<0.01	<0.01				

			Lab Report Number	835522	861777	838536	835522	836571	861777
			Field ID	AI_1B_20211025_R01	20220209_R01	AI_TB	AI_TB	AI_TRIP BLANK	TB
			Sampled_Date/Time	25/10/2021	9/02/2022	2/11/2021	25/10/2021	27/10/2021	9/02/2022
			Sample Type	Rinsate	Rinsate	Trip_B	Trip_B	Trip_B	Trip_B
Chem_Group	**ChemName**	**Units**	**EQL**						
	Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01	<0.01	<0.01				
	Perfluorononanesulfonic acid (PFNS)	µg/L	0.01	<0.01	<0.01				
	Perfluorooctanesulfonic acid (PFOS)	µg/L	0.01	<0.01	<0.01				
	Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01	<0.01	<0.01				
	Perfluoropropanesulfonic acid (PFPrS)	µg/L	0.01	<0.01	<0.01				
	N-ethyl perfluorooctane sulfonamide (NEtFOSA)	µg/L	0.05	<0.05	<0.05				
	N-ethyl-perfluorooctanesulfonamidoacetic acid	µg/L	0.02	<0.05	<0.05				
	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	µg/L	0.05	<0.05	<0.05				
	N-methyl perfluorooctane sulfonamide (NMeFOSA)	µg/L	0.05	<0.05	<0.05				
	N-methylperfluorooctane sulfonamidoacetic acid	µg/L	0.02	<0.05	<0.05				
	N-methylperfluorooctanesulfonamidoethanol	µg/L	0.05	<0.05	<0.05				
	Perfluorooctane sulfonamide (PFOSA)	µg/L	0.02	<0.05	<0.05				
	Sum of PFAS	µg/L	0.01	<0.1	<0.1				
	Sum of PFHxS and PFOS	µg/L	0.01	<0.01	<0.01				
	Sum of PFAS (WA DER List)	µg/L	0.01	<0.05	<0.05				
	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	µg/L	0.01	<0.01	<0.01				
	Sum of US EPA PFAS (PFOS + PFOA)*	µg/L	0.01	<0.01	<0.01				
Pesticides	Chlorobenzilate	µg/L	2						
	Carbazole	µg/L	2						
	Demeton-S-methyl	µg/L	0.5						
	Fenamiphos	µg/L	0.5						
	Parathion	µg/L	2	<2	<2				
	Pirimiphos-methyl	mg/l	0.02	<0.02	<0.02				
	Pirimphos-ethyl	µg/L	0.5						
Phenols	3/4-Methylphenol (m/p-cresol)	mg/l	0.002						
	2,3,4,6-Tetrachlorophenol	µg/l	10	<10	<10				
	2,4,5-Trichlorophenol	µg/l	2	<10	<10				
	2,4,6-Trichlorophenol	µg/l	2	<10	<10				
	2,4-Dichlorophenol	µg/l	2	<3	<3				
	2,4-Dimethylphenol	µg/l	2	<3	<3				
	2,4-Dinitrophenol	mg/l	0.03	<0.03	<0.03				
	2,6-Dichlorophenol	µg/l	2	<3	<3				
	2-Chlorophenol	µg/l	2	<3	<3				
	2-Methylphenol	µg/l	2	<3	<3				
	2-Nitrophenol	µg/l	2	<10	<10				
	4,6-Dinitro-2-methylphenol	µg/l	30	<30	<30				
	4-chloro-3-methylphenol	µg/l	2	<10	<10				
	4-Nitrophenol	µg/l	30	<30	<30				
	Pentachlorophenol	µg/l	4	<10	<10				
	Phenol	µg/L	2	<3	<3				
Phthalates	Bis(2-ethylhexyl) phthalate	µg/l	5	<5	<5				
	Butyl benzyl phthalate	µg/l	2	<5	<5				
	Diethylphthalate	µg/l	2	<5	<5				
	Dimethyl phthalate	µg/l	2	<5	<5				
	Di-n-butyl phthalate	µg/l	2	<5	<5				
	Di-n-octyl phthalate	µg/l	2	<5	<5				
Solvents	Methyl Ethyl Ketone	µg/L	5	<5	<5				
	2-hexanone (MBK)	µg/L	50						
	4-Methyl-2-pentanone	µg/L	5	<5	<5				
	Acetone	mg/l	0.005	<0.005	<0.005				
	Allyl chloride	mg/l	0.001	<0.001	<0.001				
	Carbon disulfide	µg/l	1	<1	<1				
	Isophorone	µg/L	2						
	Vinyl acetate	µg/L	50						
SVOC	3&4-Methylphenol (m&p-Cresol)	mg/kg	0.006						
SVOCs	2-(acetylamino) fluorene	µg/L	2						
	3,3-Dichlorobenzidine	µg/l	2	<5	<5				
	4-(dimethylamino) azobenzene	µg/l	2	<5	<5				
	4-bromophenyl phenyl ether	µg/l	2	<5	<5				
	4-chlorophenyl phenyl ether	µg/l	2	<5	<5				
	4-Nitroquinoline-N-oxide	µg/L	2						
	Azobenzene	µg/L	2						
	Bis(2-chloroethoxy) methane	µg/l	2	<5	<5				
	Bis(2-chloroethyl)ether	µg/L	2						
	Bis(2-chloroisopropyl) ether	µg/l	5	<5	<5				
	Dibenzofuran	µg/l	2	<5	<5				
	Hexachloropropene	µg/L	2						
	Methapyrilene	µg/L	2						
	N-nitrosomorpholine	µg/L	2						
	N-nitrosopiperidine	µg/L	2	<5	<5				
	N-nitrosopyrrolidine	µg/L	4						
	Phenacetin	µg/L	2						
TPH	TPH C10-C14 Fraction after Silica Cleanup	mg/l	0.05						
	TPH C15-C28 Fraction after Silica Cleanup	mg/l	0.1						
	TPH C29-C36 Fraction after Silica Cleanup	mg/l	0.1						
	TRH >C10-C16 (after silica gel clean-up)	mg/l	0.05						
	TRH >C16-C34 (after silica gel clean-up)	mg/l	0.1						
	TRH >C34-C40 (after silica gel clean-up)	mg/l	0.1						
	TRH C10-C36 (Total) (after silica gel clean-up)	mg/l	0.1						
	C6-C9	µg/l	20	<20	<20				
	C10-C14	µg/l	50	<50	<50				
	C15-C28	µg/l	100	<100	<100				
	C29-C36	µg/l	50	<100	<100				
	C10-C36	µg/L	50	<100	<100				
TRH	C6-C10	µg/L	20	<20	<20				
	C6-C10 (F1 minus BTEX)	µg/l	20	<20	<20				
	C10-C16	µg/l	50	<50	<50				
	C10-C16 (F2 minus Naphthalene)	µg/l	50	<50	<50				
	C16-C34	µg/l	100	<100	<100				
	C34-C40	µg/l	100	<100	<100				
	C10-C40 (Sum of total)	µg/l	100	<100	<100				
TRH - (Silica Gel Cleanup)	>C10 - C40 Fraction (sum) (SG)	mg/l	0.1						
VOCs	cis-1,4-Dichloro-2-butene	µg/L	5						
	trans-1,4-Dichloro-2-butene	µg/L	5						
	Dibenz(a.j)acridine	mg/l	0.005	<0.005	<0.005				
	Pentachloroethane	µg/L	5						

Trip Spike Recoveries (30% - 150% is acceptable)

SDG	Lab_Report_Number	Matrix_Type	Field_ID	Method_Name	Compound	Spike_Recovery_%	Acceptable	Result_Type	Lab_Comments
09 Feb 2022	861777	WATER	TS	LTM-ORG-2010 TRH C6-C40	Benzene	110	Y	REG	
09 Feb 2022	861777	WATER	TS	LTM-ORG-2010 TRH C6-C40	Ethylbenzene	110	Y	REG	
09 Feb 2022	861777	WATER	TS	LTM-ORG-2010 TRH C6-C40	m&p-Xylenes	110	Y	REG	
09 Feb 2022	861777	WATER	TS	LTM-ORG-2010 TRH C6-C40	o-Xylene	110	Y	REG	
09 Feb 2022	861777	WATER	TS	LTM-ORG-2010 TRH C6-C40	Toluene	110	Y	REG	
09 Feb 2022	861777	WATER	TS	LTM-ORG-2010 TRH C6-C40	Xylenes - Total	110	Y	REG	
26 Oct 2021	835522	WATER	AI_TS	LTM-ORG-2010 TRH C6-C40	Benzene	120	Y	REG	
26 Oct 2021	835522	WATER	AI_TS	LTM-ORG-2010 TRH C6-C40	Ethylbenzene	90	Y	REG	
26 Oct 2021	835522	WATER	AI_TS	LTM-ORG-2010 TRH C6-C40	m&p-Xylenes	100	Y	REG	
26 Oct 2021	835522	WATER	AI_TS	LTM-ORG-2010 TRH C6-C40	o-Xylene	82	Y	REG	
26 Oct 2021	835522	WATER	AI_TS	LTM-ORG-2010 TRH C6-C40	Toluene	96	Y	REG	
26 Oct 2021	835522	WATER	AI_TS	LTM-ORG-2010 TRH C6-C40	Xylenes - Total	89	Y	REG	
27 Oct 2021	836571	WATER	AI_TRIP SPIKE	LTM-ORG-2010 TRH C6-C40	Benzene	120	Y	REG	
27 Oct 2021	836571	WATER	AI_TRIP SPIKE	LTM-ORG-2010 TRH C6-C40	Ethylbenzene	110	Y	REG	
27 Oct 2021	836571	WATER	AI_TRIP SPIKE	LTM-ORG-2010 TRH C6-C40	m&p-Xylenes	110	Y	REG	
27 Oct 2021	836571	WATER	AI_TRIP SPIKE	LTM-ORG-2010 TRH C6-C40	o-Xylene	100	Y	REG	
27 Oct 2021	836571	WATER	AI_TRIP SPIKE	LTM-ORG-2010 TRH C6-C40	Toluene	110	Y	REG	
27 Oct 2021	836571	WATER	AI_TRIP SPIKE	LTM-ORG-2010 TRH C6-C40	Xylenes - Total	100	Y	REG	

Lab Duplicates with high RPDs

SDG	Lab_Report_Number	Matrix_Type	Lab_Duplicate	Field_ID	Depth	Sampled_Date-Time	Method_Name	Compound	Parent_Result	Dupe_Result	Result_Unit	EQL	RPD
26 Oct 2021	835522	SOIL	S21-Oc57142-DUP	AI_1B_TP55_0.5	0.5 - 0.5	25/10/2021	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Arsenic	7.8	15	MG/KG	2 mg/kg	63
	ES2204594	WATER	QC-4172489-006_ES2204594			9/02/2022	EG020T: Total Metals by ICP-MS	Copper	0.002	0.001	mg/L	0.001 mg/L	67
	ES2204594	WATER	QC-4172489-006_ES2204594			9/02/2022	EG020T: Total Metals by ICP-MS	Nickel	0.002	0.001	mg/L	0.001 mg/L	67

Matrix Spike Recoveries less than 30% or greater than 150% or outside lab LCL or UCL

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments
	ES2139396	SOIL	26/10/2021	EP231D: (n:2) Fluorotelomer Sulfonic Acids	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	151	REG	69.2	143	-	Recovery > upper data quality objective (DQO)
	ES2139396	SOIL	26/10/2021	EP231D: (n:2) Fluorotelomer Sulfonic Acids	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	140	REG	65	137	-	Recovery > upper data quality objective (DQO)
	ES2139396	SOIL	26/10/2021	EP231D: (n:2) Fluorotelomer Sulfonic Acids	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	153	REG	62	145	-	Recovery > upper data quality objective (DQO)
	ES2139572	SOIL	26/10/2021	EP231D: (n:2) Fluorotelomer Sulfonic Acids	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	151	REG	69.2	143	-	Recovery > upper data quality objective (DQO)
	ES2139572	SOIL	26/10/2021	EP231D: (n:2) Fluorotelomer Sulfonic Acids	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	140	REG	65	137	-	Recovery > upper data quality objective (DQO)
	ES2139572	SOIL	26/10/2021	EP231D: (n:2) Fluorotelomer Sulfonic Acids	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	153	REG	62	145	-	Recovery > upper data quality objective (DQO)
	ES2141124	SOIL	2/11/2021	EP075T: Base/Neutral Extractable Surrogates	Anthracene-d10	128	SUR	35	123	-	Recovery > upper data quality objective (DQO)
	ES2141125	SOIL	2/11/2021	EP075T: Base/Neutral Extractable Surrogates	Anthracene-d10	128	SUR	35	123	-	Recovery > upper data quality objective (DQO)
	ES2204594	WATER	10/02/2022	EP075A: Phenolic Compounds	Phenol	28.1	REG	20	130	-	

Surrogate Variation > 25% or outside lab LCL or UCL

SDG	Lab_Report_Number	Sample_Type	Matrix_Type	Field_ID	Sampled_Date-Time	Compound	Recovery %	Unit	LCL	UCL	Lab_Comments
ALSE-Sydney 02-Nov-21	ES2139572	Interlab_D	SOIL	1B_20211027_T01	27/10/2021	2.4.6-Tribromophenol	73.7	%	12.5	121	
	ES2139572	MS	SOIL		27/10/2021	2.4.6-Tribromophenol	74.6	%	40	138	The final results for this
	ES2139572	MS	SOIL		27/10/2021	2.4.6-Tribromophenol	64.8	%	12.5	121	regular task or duplicate task
	ES2139572	MS	SOIL		27/10/2021	2-Fluorophenol	126	%	29.4	149	was greater than 20 times
	ES2139572	LAB_D	SOIL		27/10/2021	2.4.6-Tribromophenol	56.8	%	12.5	121	the LOR value. ALS Method
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP54_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	111	%	0	0	QWI-EN/38 requires that the
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP54_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	100	%	0	0	deviation between them in
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP54_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	81	%	0	0	this case must be between
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP54_0.5	25/10/2021	Phenol-d6 (surr.)	129	%	20	130	0% and 20%. Deviation
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP54_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	82	%	0	0	between results exceeds this
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP54_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	74	%	20	130	limit.
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP51_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	109	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP51_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	98	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP51_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	73	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP51_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	91	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP51_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	81	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.05	25/10/2021	2.4.6-Tribromophenol (surr.)	79	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.05	25/10/2021	Phenol-d6 (surr.)	130	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.05	25/10/2021	13C2-10:2 FTSA (surr.)	146	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.05	25/10/2021	13C2-8:2 FTSA (surr.)	145	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.05	25/10/2021	Dibutylchlorendate (surr.)	69	%	70	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	113	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.5	25/10/2021	Phenol-d6 (surr.)	135	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	77	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	52	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP50_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	47	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP49_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	114	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP49_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	123	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP49_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	99	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP49_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	82	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP49_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	74	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP49_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	69	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP48_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	104	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP48_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	186	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP48_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	185	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP48_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	136	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP48_0.1	25/10/2021	D7-N-MeFOSE (surr.)	71	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP48_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	101	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP48_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	85	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP47_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP47_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	93	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP47_0.1	25/10/2021	Dibutylchlorendate (surr.)	60	%	70	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP47_0.4	25/10/2021	2.4.6-Tribromophenol (surr.)	97	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP47_0.4	25/10/2021	13C2-10:2 FTSA (surr.)	84	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP47_0.4	25/10/2021	4-Bromofluorobenzene (surr.)	72	%	50	150	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP42_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	62	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP42_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	90	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP42_0.3	25/10/2021	2.4.6-Tribromophenol (surr.)	81	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP42_0.3	25/10/2021	13C2-10:2 FTSA (surr.)	89	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP42_0.3	25/10/2021	4-Bromofluorobenzene (surr.)	73	%	50	150	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	110	%	0	0	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	-999	%	0	0	INT
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	13C2-4:2 FTSA (surr.)	138	%	20	130	
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	147	%	20	130	

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	192	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	13C2-PFTeDA (surr.)	126	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	167	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	73	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	142	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.4	25/10/2021	2.4.6-Tribromophenol (surr.)	137	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.4	25/10/2021	13C2-10:2 FTSA (surr.)	100	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.4	25/10/2021	4-Bromofluorobenzene (surr.)	73	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP43_0.4	25/10/2021	D3-N-MeFOSAA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	13C2-4:2 FTSA (surr.)	157	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	197	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	-999	%	20	130	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	13C2-PFTeDA (surr.)	127	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	160	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	74	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	143	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	107	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	128	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	132	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.5	25/10/2021	Toluene-d8 (surr.)	71	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP44_0.5	25/10/2021	4-Bromofluorobenzene (surr.)	68	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	141	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	13C2-4:2 FTSA (surr.)	-999	%	20	130	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	-999	%	20	130	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	-999	%	20	130	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	13C2-PFTeDA (surr.)	137	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	Toluene-d8 (surr.)	63	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	172	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	55	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	157	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	Triphenylphosphate (surr.)	145	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	13C2-10:2 FTSA (surr.)	115	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	13C2-PFTeDA (surr.)	139	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	p-Terphenyl-d14 (surr.)	143	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	Dibutylchlorendate (surr.)	138	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	Toluene-d8 (surr.)	52	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	Nitrobenzene-d5 (surr.)	134	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP45_0.4	25/10/2021	4-Bromofluorobenzene (surr.)	59	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	121	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	96	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.3	25/10/2021	2.4.6-Tribromophenol (surr.)	147	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.3	25/10/2021	13C2-10:2 FTSA (surr.)	94	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.3	25/10/2021	13C2-8:2 FTSA (surr.)	130	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.3	25/10/2021	13C5-PFPeA (surr.)	126	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.3	25/10/2021	4-Bromofluorobenzene (surr.)	73	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP37_0.3	25/10/2021	D3-N-MeFOSAA (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP31_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	107	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP31_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	86	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP31_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	71	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP31_0.4	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP31_0.4	25/10/2021	13C2-10:2 FTSA (surr.)	93	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP31_0.4	25/10/2021	Toluene-d8 (surr.)	57	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP31_0.4	25/10/2021	4-Bromofluorobenzene (surr.)	62	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	112	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.1	25/10/2021	Toluene-d8 (surr.)	65	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	60	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.4	25/10/2021	2.4.6-Tribromophenol (surr.)	103	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.4	25/10/2021	13C2-10:2 FTSA (surr.)	79	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.4	25/10/2021	Toluene-d8 (surr.)	57	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP32_0.4	25/10/2021	4-Bromofluorobenzene (surr.)	61	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP63_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	114	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP63_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	105	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP63_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	120	%	0	0					

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP63_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	90	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP63_0.5	25/10/2021	13C5-PFPeA (surr.)	128	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP63_0.5	25/10/2021	2-Fluorobiphenyl (surr.)	128	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	127	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	131	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	139	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.1	25/10/2021	Toluene-d8 (surr.)	68	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.1	25/10/2021	2-Fluorobiphenyl (surr.)	129	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	134	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	65	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	119	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	91	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	65	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	69	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP55_0.5	25/10/2021	4-Bromofluorobenzene (surr.)	69	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	138	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	102	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	13C2-PFDoDA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	13C2-PFUnDA (surr.)	38	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	13C8-FOSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	Toluene-d8 (surr.)	73	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	70	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	45	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	D7-N-MeFOSE (surr.)	68	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.1	25/10/2021	D9-N-EtFOSE (surr.)	67	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	130	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	79	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.5	25/10/2021	2-Fluorobiphenyl (surr.)	135	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP56_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	131	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	113	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.1	25/10/2021	13C2-PFUnDA (surr.)	53	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	70	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	61	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.1	25/10/2021	D7-N-MeFOSE (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.1	25/10/2021	D9-N-EtFOSE (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	107	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	Phenol-d6 (surr.)	141	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	65	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	68	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	p-Terphenyl-d14 (surr.)	146	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	2-Fluorobiphenyl (surr.)	134	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP64_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	97	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	Phenol-d6 (surr.)	138	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	85	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	73	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	13C2-PFUnDA (surr.)	45	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	13C8-FOSA (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	144	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	2-Fluorobiphenyl (surr.)	134	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	D7-N-MeFOSE (surr.)	74	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.1	25/10/2021	D9-N-EtFOSE (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	99	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	Phenol-d6 (surr.)	129	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	90	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	68	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	73	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	p-Terphenyl-d14 (surr.)	134	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	61	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP65_0.5	25/10/2021	D9-N-EtFOSE (surr.)	70	%	20	130					

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	99	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	Phenol-d6 (surr.)	138	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	120	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	13C2-PFUnDA (surr.)	65	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	143	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	2-Fluorobiphenyl (surr.)	132	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.1	25/10/2021	D9-N-EtFOSE (surr.)	67	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	99	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	Phenol-d6 (surr.)	136	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	84	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	59	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	13C2-PFUnDA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	13C8-FOSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	p-Terphenyl-d14 (surr.)	143	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	2-Fluorobiphenyl (surr.)	137	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	68	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	60	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP57_0.5	25/10/2021	D9-N-EtFOSE (surr.)	74	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	112	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	159	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.1	25/10/2021	13C2-PFUnDA (surr.)	38	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	130	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	49	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.1	25/10/2021	D9-N-EtFOSE (surr.)	69	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	104	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	92	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	61	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	13C2-PFUnDA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	18O2-PFHxS (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	D7-N-MeFOSE (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP59_0.5	25/10/2021	D9-N-EtFOSE (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	112	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	Phenol-d6 (surr.)	130	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	71	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	43	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	13C2-PFDoDA (surr.)	43	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	13C2-PFUnDA (surr.)	14	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	13C2-PFTeDA (surr.)	62	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	13C6-PFDA (surr.)	57	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	13C8-FOSA (surr.)	53	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	127	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	2-Fluorobiphenyl (surr.)	129	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	29	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	13	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	D5-N-EtFOSA (surr.)	73	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	D7-N-MeFOSE (surr.)	50	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.1	25/10/2021	D9-N-EtFOSE (surr.)	54	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	87	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	83	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	65	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	68	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	65	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	13C2-PFDoDA (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	13C2-PFUnDA (surr.)	61	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	p-Terphenyl-d14 (surr.)	129	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	53	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	D7-N-MeFOSE (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP60_0.5	25/10/2021	D9-N-EtFOSE (surr.)	67	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	113	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	Phenol-d6 (surr.)	132	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	87	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	13C2-PFDoDA (surr.)	73	%	20	130					

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	13C2-PFUnDA (surr.)	30	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	13C6-PFDA (surr.)	73	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	13C8-FOSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	139	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	2-Fluorobiphenyl (surr.)	133	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	74	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	38	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	D7-N-MeFOSE (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.1	25/10/2021	D9-N-EtFOSE (surr.)	61	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	104	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	Phenol-d6 (surr.)	134	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	94	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	69	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	13C2-PFUnDA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	13C8-FOSA (surr.)	73	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	p-Terphenyl-d14 (surr.)	137	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	2-Fluorobiphenyl (surr.)	133	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	48	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP61_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	51	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	108	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	Phenol-d6 (surr.)	126	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	104	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	13C2-6:2 FTSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	62	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	13C2-PFDoDA (surr.)	73	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	13C2-PFUnDA (surr.)	52	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	13C8-FOSA (surr.)	73	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	129	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	46	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	D7-N-MeFOSE (surr.)	68	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.1	25/10/2021	D9-N-EtFOSE (surr.)	67	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	Triphenylphosphate (surr.)	126	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	120	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	Phenol-d6 (surr.)	145	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	78	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	62	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	13C8-FOSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	p-Terphenyl-d14 (surr.)	148	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	2-Fluorobiphenyl (surr.)	143	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP62_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	74	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	Triphenylphosphate (surr.)	135	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	148	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	Phenol-d6 (surr.)	-999	%	20	130	INT				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	112	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	13C2-8:2 FTSA (surr.)	69	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	13C2-PFDoDA (surr.)	64	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	13C2-PFUnDA (surr.)	24	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	13C8-FOSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	133	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	Dibutylchlorendate (surr.)	126	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	2-Fluorobiphenyl (surr.)	144	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	D5-N-EtFOSAA (surr.)	58	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	Nitrobenzene-d5 (surr.)	129	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	28	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	D7-N-MeFOSE (surr.)	63	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.1	25/10/2021	D9-N-EtFOSE (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	2.4.6-Tribromophenol (surr.)	111	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	13C2-10:2 FTSA (surr.)	80	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	13C2-4:2 FTSA (surr.)	58	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	13C2-6:2 FTSA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	13C2-8:2 FTSA (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	13C2-PFDoDA (surr.)	65	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	13C2-PFUnDA (surr.)	69	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	13C4-PFBA (surr.)	74	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	D5-N-EtFOSAA (surr.)	66	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	D3-N-MeFOSAA (surr.)	64	%	20	130					

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments				
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP52_0.5	25/10/2021	D9-N-EtFOSE (surr.)	71	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	2.4.6-Tribromophenol (surr.)	105	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	Phenol-d6 (surr.)	136	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	13C2-10:2 FTSA (surr.)	101	%	0	0					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	13C2-PFUnDA (surr.)	70	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	p-Terphenyl-d14 (surr.)	141	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	Toluene-d8 (surr.)	72	%	70	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	2-Fluorobiphenyl (surr.)	135	%	30	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	4-Bromofluorobenzene (surr.)	74	%	50	150					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	D3-N-MeFOSAA (surr.)	54	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	D7-N-MeFOSE (surr.)	74	%	20	130					
26 Oct 2021	835522	Normal	SOIL	AI_1B_TP53_0.1	25/10/2021	D9-N-EtFOSE (surr.)	66	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	2.4.6-Tribromophenol (surr.)	101	%	0	0					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	Phenol-d6 (surr.)	135	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	13C2-10:2 FTSA (surr.)	126	%	0	0					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	13C2-PFDoDA (surr.)	72	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	13C2-PFUnDA (surr.)	40	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	13C8-FOSA (surr.)	72	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	p-Terphenyl-d14 (surr.)	135	%	30	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	2-Fluorobiphenyl (surr.)	133	%	30	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	D3-N-MeFOSAA (surr.)	41	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	D7-N-MeFOSE (surr.)	67	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D01	25/10/2021	D9-N-EtFOSE (surr.)	74	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D02	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D02	25/10/2021	13C2-10:2 FTSA (surr.)	76	%	0	0					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D02	25/10/2021	13C2-6:2 FTSA (surr.)	54	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D02	25/10/2021	13C2-PFUnDA (surr.)	72	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D02	25/10/2021	13C6-PFDA (surr.)	70	%	20	130					
26 Oct 2021	835522	Field_D	SOIL	AI_1B_20211025_D02	25/10/2021	D7-N-MeFOSE (surr.)	69	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	Triphenylphosphate (surr.)	-999	%	70	130	INT				
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	Phenol-d6 (surr.)	64	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	13C2-10:2 FTSA (surr.)	90	%	0	0					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	13C2-8:2 FTSA (surr.)	68	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	13C2-PFTeDA (surr.)	71	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	13C8-PFOA (surr.)	130	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	p-Terphenyl-d14 (surr.)	-999	%	30	130	INT				
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	Dibutylchlorendate (surr.)	-999	%	70	130	INT				
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	D5-N-EtFOSAA (surr.)	71	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	Nitrobenzene-d5 (surr.)	141	%	70	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	Tetrachloro-m-xylene (surr.)	-999	%	70	130	INT				
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	D3-N-MeFOSAA (surr.)	58	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	D3-N-MeFOSA (surr.)	73	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	D5-N-EtFOSA (surr.)	62	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	D7-N-MeFOSE (surr.)	51	%	20	130					
26 Oct 2021	835522	Rinsate	WATER	AI_1B_20211025_R01	25/10/2021	D9-N-EtFOSE (surr.)	46	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP20_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	52	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP20_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	95	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP20_0.1	27/10/2021	Toluene-d8 (surr.)	55	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP20_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	53	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP20_0.4	27/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP20_0.4	27/10/2021	13C2-10:2 FTSA (surr.)	91	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP20_0.4	27/10/2021	4-Bromofluorobenzene (surr.)	62	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	53	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	147	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	149	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.1	27/10/2021	D5-N-EtFOSAA (surr.)	134	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.4	27/10/2021	2.4.6-Tribromophenol (surr.)	55	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.4	27/10/2021	13C2-10:2 FTSA (surr.)	92	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.4	27/10/2021	D5-N-EtFOSAA (surr.)	74	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP15_0.4	27/10/2021	D3-N-MeFOSAA (surr.)	70	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	123	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	152	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.1	27/10/2021	Toluene-d8 (surr.)	73	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	61	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.4	27/10/2021	2.4.6-Tribromophenol (surr.)	-999	%	0	0	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.4	27/10/2021	13C2-10:2 FTSA (surr.)	91	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.4	27/10/2021	Toluene-d8 (surr.)	137	%	70	130					

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.4	27/10/2021	D5-N-EtFOSAA (surr.)	65	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP16_0.4	27/10/2021	D3-N-MeFOSAA (surr.)	63	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	84	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	115	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	136	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.1	27/10/2021	Toluene-d8 (surr.)	66	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	129	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	62	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.4	27/10/2021	2.4.6-Tribromophenol (surr.)	50	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.4	27/10/2021	13C2-10:2 FTSA (surr.)	96	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.4	27/10/2021	Dibutylchlorendate (surr.)	74	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.4	27/10/2021	D5-N-EtFOSAA (surr.)	74	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.4	27/10/2021	4-Bromofluorobenzene (surr.)	73	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP17_0.4	27/10/2021	D3-N-MeFOSAA (surr.)	69	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP18_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	108	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP18_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	129	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP18_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	138	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP18_0.4	27/10/2021	2.4.6-Tribromophenol (surr.)	102	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP18_0.4	27/10/2021	Toluene-d8 (surr.)	69	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP18_0.4	27/10/2021	4-Bromofluorobenzene (surr.)	62	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	95	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.1	27/10/2021	Phenol-d6 (surr.)	129	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	107	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	128	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	133	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	104	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	98	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	65	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP12_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	59	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	Triphenylphosphate (surr.)	138	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	105	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	Phenol-d6 (surr.)	145	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	110	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	142	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	p-Terphenyl-d14 (surr.)	136	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	Toluene-d8 (surr.)	65	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	2-Fluorobiphenyl (surr.)	135	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	-999	%	70	130	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	101	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	Phenol-d6 (surr.)	134	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	88	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	Toluene-d8 (surr.)	51	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	71	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	Nitrobenzene-d5 (surr.)	137	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	4-Bromofluorobenzene (surr.)	60	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP11_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	64	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	Triphenylphosphate (surr.)	128	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	100	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	Phenol-d6 (surr.)	135	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	110	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	134	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	Toluene-d8 (surr.)	55	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	2-Fluorobiphenyl (surr.)	126	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	D5-N-EtFOSAA (surr.)	131	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	141	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	53	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	Triphenylphosphate (surr.)	132	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	92	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	Phenol-d6 (surr.)	145	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	87	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	p-Terphenyl-d14 (surr.)	131	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	Toluene-d8 (surr.)	51	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	2-Fluorobiphenyl (surr.)	132	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	67	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	Nitrobenzene-d5 (surr.)	149	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	4-Bromofluorobenzene (surr.)	56	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP10_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	59	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	103	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	Phenol-d6 (surr.)	135	%	20	130					

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	114	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	132	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	Toluene-d8 (surr.)	60	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	2-Fluorobiphenyl (surr.)	128	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	D5-N-EtFOSAA (surr.)	126	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	145	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	65	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.3	27/10/2021	Triphenylphosphate (surr.)	129	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	68	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.3	27/10/2021	Phenol-d6 (surr.)	134	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	93	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.3	27/10/2021	p-Terphenyl-d14 (surr.)	129	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.3	27/10/2021	2-Fluorobiphenyl (surr.)	127	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP09_0.3	27/10/2021	Nitrobenzene-d5 (surr.)	144	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	87	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.1	27/10/2021	Phenol-d6 (surr.)	130	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	105	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.1	27/10/2021	Toluene-d8 (surr.)	66	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	141	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	71	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	Triphenylphosphate (surr.)	128	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	100	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	Phenol-d6 (surr.)	135	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	91	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	p-Terphenyl-d14 (surr.)	126	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	Toluene-d8 (surr.)	-999	%	70	130	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	2-Fluorobiphenyl (surr.)	129	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	73	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	Nitrobenzene-d5 (surr.)	145	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	4-Bromofluorobenzene (surr.)	-999	%	50	150	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP13_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	74	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	113	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	103	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.1	27/10/2021	Toluene-d8 (surr.)	-999	%	70	130	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	135	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	-999	%	50	150	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.1	27/10/2021	D7-N-MeFOSE (surr.)	72	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	Triphenylphosphate (surr.)	134	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	101	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	Phenol-d6 (surr.)	143	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	84	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	p-Terphenyl-d14 (surr.)	130	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	Toluene-d8 (surr.)	51	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	2-Fluorobiphenyl (surr.)	130	%	30	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	67	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	Nitrobenzene-d5 (surr.)	-999	%	70	130	INT				
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	4-Bromofluorobenzene (surr.)	52	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP06_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	65	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	87	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	118	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.1	27/10/2021	Toluene-d8 (surr.)	56	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	127	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	57	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	93	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	Phenol-d6 (surr.)	136	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	86	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	Toluene-d8 (surr.)	63	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	57	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	Nitrobenzene-d5 (surr.)	143	%	70	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	4-Bromofluorobenzene (surr.)	68	%	50	150					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	55	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	D7-N-MeFOSE (surr.)	73	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP04_0.3	27/10/2021	D9-N-EtFOSE (surr.)	74	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	89	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	Phenol-d6 (surr.)	132	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	197	%	0	0					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	13C2-6:2 FTSA (surr.)	132	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	183	%	20	130					
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	p-Terphenyl-d14 (surr.)	140	%	30	130					

SDG	Lab_Report_Number	Matrix_Type	Sampled_Date-Time	Method_Name	Compound	Recovery %	Result_Type	LCL	UCL	UCL	Lab_Comments
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	Toluene-d8 (surr.)	73	%	70	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	2-Fluorobiphenyl (surr.)	134	%	30	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	D5-N-EtFOSAA (surr.)	132	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	D3-N-MeFOSAA (surr.)	136	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	D5-N-EtFOSA (surr.)	74	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	D7-N-MeFOSE (surr.)	73	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.1	27/10/2021	D9-N-EtFOSE (surr.)	70	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	124	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.3	27/10/2021	Phenol-d6 (surr.)	132	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	98	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.3	27/10/2021	p-Terphenyl-d14 (surr.)	138	%	30	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.3	27/10/2021	2-Fluorobiphenyl (surr.)	127	%	30	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	60	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP03_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	55	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	100	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.1	27/10/2021	Phenol-d6 (surr.)	126	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	127	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	132	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.1	27/10/2021	p-Terphenyl-d14 (surr.)	129	%	30	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.1	27/10/2021	2-Fluorobiphenyl (surr.)	131	%	30	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	Triphenylphosphate (surr.)	133	%	70	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	127	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	Phenol-d6 (surr.)	139	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	83	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	p-Terphenyl-d14 (surr.)	136	%	30	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	Toluene-d8 (surr.)	69	%	70	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	2-Fluorobiphenyl (surr.)	133	%	30	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	67	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	Nitrobenzene-d5 (surr.)	129	%	70	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	4-Bromofluorobenzene (surr.)	72	%	50	150	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP02_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	63	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.1	27/10/2021	2.4.6-Tribromophenol (surr.)	127	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.1	27/10/2021	13C2-10:2 FTSA (surr.)	119	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.1	27/10/2021	13C2-8:2 FTSA (surr.)	136	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.1	27/10/2021	Toluene-d8 (surr.)	-999	%	70	130	INT
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.1	27/10/2021	Nitrobenzene-d5 (surr.)	133	%	70	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.1	27/10/2021	4-Bromofluorobenzene (surr.)	-999	%	50	150	INT
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.3	27/10/2021	2.4.6-Tribromophenol (surr.)	123	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.3	27/10/2021	Phenol-d6 (surr.)	128	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.3	27/10/2021	13C2-10:2 FTSA (surr.)	97	%	0	0	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.3	27/10/2021	D5-N-EtFOSAA (surr.)	64	%	20	130	
27 Oct 2021	836571	Normal	SOIL	AI_1B_TP05_0.3	27/10/2021	D3-N-MeFOSAA (surr.)	60	%	20	130	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D01	27/10/2021	2.4.6-Tribromophenol (surr.)	121	%	0	0	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D01	27/10/2021	13C2-10:2 FTSA (surr.)	109	%	0	0	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D02	27/10/2021	2.4.6-Tribromophenol (surr.)	109	%	0	0	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D02	27/10/2021	Phenol-d6 (surr.)	131	%	20	130	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D02	27/10/2021	13C2-10:2 FTSA (surr.)	88	%	0	0	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D02	27/10/2021	D5-N-EtFOSAA (surr.)	67	%	20	130	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D02	27/10/2021	4-Bromofluorobenzene (surr.)	131	%	50	150	
27 Oct 2021	836571	Field_D	SOIL	AI_1B_20211027_D02	27/10/2021	D3-N-MeFOSAA (surr.)	66	%	20	130	
27 Oct 2021	836571	Trip_B	WATER	AI_TRIP BLANK	27/10/2021	4-Bromofluorobenzene (surr.)	129	%	50	150	

APPENDIX C BORELOGS

BORE LOG ID AI_1B_TP01

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290434
Northing (MGA): 6244105

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
				IA_IB_TP01_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1			No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	1.7	IA_IB_TP01_0.5	
		0.6			
		0.7			
Termination Depth at:0.7 m		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP02

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290480
Northing (MGA): 6244112

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.1	1.2	AI_1B_TP02_0.1	No odour, no staining.
		0.2			
		0.3	1.1	AI_1B_TP02_0.3	
Termination Depth at:0.3 m		0.4			
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP03

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290528
Northing (MGA): 6244104

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(F2) FILL: Silty SAND, dry, brown, medium-large gravel inclusions, poor to moderate sorting, medium-course grain size, sub-rounded.				AI_1B_TP03_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, dry, hard.		0.1	1	AI_1B_TP03_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.3	1.1		

0.2
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4

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BORE LOG ID AI_1B_TP04

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290563
Northing (MGA): 6244097

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.				AI_1B_TP04_0.1	No odour, no staining.
		0.1	1.2		
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.					No odour, no staining.
		0.2			
		0.3	1.1	AI_1B_TP04_0.3	
Termination Depth at:0.3 m					
		0.4			
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP05

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290581
Northing (MGA): 6244105

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.3	AI_1B_TP05_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2		AI_1B_TP05_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.3	1.1		
		0.4			
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP06

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290611
Northing (MGA): 6244104

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	17.4	AI_1B_TP06_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	2.1	AI_1B_TP06_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP07

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290390
Northing (MGA): 6244132

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(F2) FILL: Silty SAND, brown, medium-large gravel inclusions, poor to moderate sorting, medium-course grain size, sub-rounded.					No odour, no staining.
		0.1	1.6	IA_IB_TP07_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.					No odour, no staining.
		0.2			
		0.3			
		0.4	1.6	IA_IB_TP07_0.4	
Termination Depth at:0.4 m					
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP08

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290462
Northing (MGA): 6244167

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
		0.1	1.9	IA_IB_TP08_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.					No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	1.9	IA_IB_TP08_0.5	
		0.6			
Termination Depth at:0.6 m		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP09

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290468
Northing (MGA): 6244132

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.3	AI_1B_TP09_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	1.3	AI_1B_TP09_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP10

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290492
Northing (MGA): 6244133

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.4	AI_1B_TP10_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, dry, hard, crumbly.		0.2 0.3	1.4	AI_1B_TP10_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP11

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290535
Northing (MGA): 6244138

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.5	AI_1B_TP11_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and weathered shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	1.5	AI_1B_TP11_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP12

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290567
Northing (MGA): 6244142

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.6	AI_1B_TP12_0.1	No odour, no staining.
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.2 0.3	1.6	AI_1B_TP12_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP13

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290603
Northing (MGA): 6244143

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	29.9	AI_1B_TP13_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	1.5	AI_1B_TP13_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP14

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290437
Northing (MGA): 6244164

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	2.9	IA_IB_TP14_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3 0.4 0.5	2	IA_IB_TP14_0.5	No odour, no staining.
Termination Depth at:0.7 m		0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP15

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290494
Northing (MGA): 6244173

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
		0.1	3.9	AI_1B_TP15_0.1	
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, hard, medium plasticity.					No odour, no staining.
		0.2			
		0.3			
		0.4	1.6	AI_1B_TP15_0.4	
Termination Depth at:0.4 m					
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP16

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290541
Northing (MGA): 6244197

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.7	AI_1B_TP16_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, medium stiffness, low to medium plasticity.		0.2 0.3 0.4	1.7	AI_1B_TP16_0.4	No odour, no staining.
Termination Depth at:0.5 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP17

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290564
Northing (MGA): 6244173

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
		0.1	32.5	AI_1B_TP17_0.1	
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, medium stiffness, low to medium plasticity.					No odour, no staining.
		0.2			
		0.3			
		0.4	2.5	AI_1B_TP17_0.4	
Termination Depth at:0.4 m					
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP18

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290594
Northing (MGA): 6244174

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	62.1	AI_1B_TP18_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, medium stiffness, low to medium plasticity.		0.2 0.3 0.4	3.3	AI_1B_TP18_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP19

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290424
Northing (MGA): 6244194

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
				IA_IB_TP19_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	1.8		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	1.8	IA_IB_TP19_0.5	
Termination Depth at:0.5 m		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP20

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 27/10/2021 - 27/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290507
Northing (MGA): 6244195

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	3.7	AI_1B_TP20_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, hard, low to medium plasticity.		0.2 0.3 0.4	1.6	AI_1B_TP20_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP21

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290559
Northing (MGA): 6244196

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.		0.1	2.2	IA_IB_TP21_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2		IA_IB_TP21_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.3	1.1		

0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4

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BORE LOG ID AI_1B_TP22

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290588
Northing (MGA): 6244220

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.		0.1	37.6	IA_IB_TP22_0.1	No odour, no staining.
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.		0.2 0.3 0.4	1.7	IA_IB_TP22_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP23

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290599
Northing (MGA): 6244206

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	10.6	IA_IB_TP23_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	3	IA_IB_TP23_0.3	No odour, no staining.
Termination Depth at:0.35 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP24

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA):
Northing (MGA):

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	21.8	IA_IB_TP24_0.1	No odour, no staining.
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.2 0.3 0.4	1.8	IA_IB_TP24_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP25

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290413.475769273
Northing (MGA): 6243111.13329212

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(F2) FILL: Silty SAND, brown, wet, medium-large gravel inclusions, well sorted, small to medium grain size, sub-rounded.		0.1	1.3		No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	1.4		No odour, no staining.
Termination Depth at:0.4 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP26

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290503
Northing (MGA): 6244258

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				IA_IB_TP26_0.1	
(N1) CLAY: Mottled orange/red and grey, wet, soft, plastic, orange decreasing with depth.		0.1	12.8		No odour, no staining.
		0.2			
		0.3			
		0.4	0.8	IA_IB_TP26_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP27

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290527
Northing (MGA): 6244251

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	4.9	IA_IB_TP27_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, hard, crumbly, low to medium plasticity.		0.2			No odour, no staining.
		0.3	23.8	IA_IB_TP27_0.3	
Termination Depth at:0.3 m		0.4			
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP28

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290556
Northing (MGA): 6244247

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	12.8	IA_IB_TP28_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	1.2	IA_IB_TP28_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP29

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290605
Northing (MGA): 6744320

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, dry, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
				IA_IB_TP29_0.1	
		0.1	49.4		
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.					No odour, no staining.
		0.2			
		0.3			
				IA_IB_TP29_0.4	No odour, no staining.
		0.4	6.7		
Termination Depth at:0.4 m					
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP30

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290614
Northing (MGA): 6244239

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	24.4	IA_IB_TP30_0.1	No odour, no staining.
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.2 0.3		IA_IB_TP30_0.3	No odour, no staining.
Termination Depth at:0.4 m		0.4	0		
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP31

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA):
Northing (MGA):

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(F3) FILL: Sandy GRAVEL roadbase, brown and grey, damp, moderately well sorted, fine-medium grain size, sub-rounded, frequent angular medium sized gravel inclusions.		0.1	1.2	AI_1B_TP31_0.1	No odour, no staining.
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.2 0.3 0.4	1.1	AI_1B_TP31_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP32

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290438.478596356
Northing (MGA): 6244276.77924572

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
				AI_1B_TP32_0.1	
		0.1	1.3		
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.					No odour, no staining.
		0.2			
		0.3			
				AI_1B_TP32_0.4	
		0.4	1.3		
Termination Depth at:0.4 m					
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP33

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290529
Northing (MGA): 6244282

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, moist, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	0.8	IA_IB_TP33_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3 0.4	0.9	IA_IB_TP33_0.4	No odour, no staining.
Termination Depth at:0.5 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP34

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290550
Northing (MGA): 6244289

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, moist, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	0.7	IA_IB_TP34_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, moist, hard, low to medium plasticity.		0.2 0.3 0.4	0.7	IA_IB_TP34_0.4	No odour, no staining.
Termination Depth at:0.5 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP35

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290592
Northing (MGA): 6244269

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, moist, medium stiffness, moderate plasticity, homogenous, minor organic inclusions.					No odour, no staining.
		0.1	1.1	IA_IB_TP35_0.1	
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.					No odour, no staining.
		0.2			
		0.3			
		0.4	1.1	IA_IB_TP35_0.4	
		0.5			
Termination Depth at:0.5 m		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP36

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290597
Northing (MGA): 6244273

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	0.9	IA_IB_TP36_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, wet, hard, low to medium plasticity.		0.2 0.3	0.8	IA_IB_TP36_0.3	No odour, no staining.
Termination Depth at:0.4 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP37

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290437.798005749
Northing (MGA): 6244307.58746361

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(F3) FILL: Sandy GRAVEL roadbase, brown and grey, damp, moderately well sorted, fine-medium grain size, sub-rounded, frequent angular medium sized gravel inclusions.		0.1	1.2	AI_1B_TP37_0.1	No odour, minor charcoal like staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	1.1	AI_1B_TP37_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP38

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290437.798005749
Northing (MGA): 6244307.58746361

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic and metal inclusions.					No odour, no staining.
				IA_IB_TP38_0.1	
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.1	1.3		No odour, no staining.
		0.2			
		0.3			
		0.4		IA_IB_TP38_0.4	
		0.5	1.2		
Termination Depth at:0.5 m		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP39

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290527
Northing (MGA): 6244310

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	39.7	IA_IB_TP39_0.1	No odour, no staining.
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.2 0.3	2.2	IA_IB_TP39_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP40

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290565
Northing (MGA): 6244317

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.			69.6	IA_IB_TP40_0.05	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, hard, crumbly, stiff.		0.1 0.2 0.3	0.8	IA_IB_TP40_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP41

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290582
Northing (MGA): 6244297

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.1	IA_IB_TP41_0.1	No odour, no staining.
(N1) CLAY: Mottled orange/red and grey with red/purple brittle shale inclusions, damp, soft, medium-high plasticity, orange decreasing with depth.		0.2 0.3 0.4	1	IA_IB_TP41_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP42

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290437.117420077
Northing (MGA): 6244338.39568033

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(F3) FILL: Sandy GRAVEL roadbase, brown and grey, damp, moderately well sorted, fine-medium grain size, sub-rounded, frequent angular medium sized gravel inclusions.		0.1	1.3	AI_1B_TP42_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and brittle, hard shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3	1.3	AI_1B_TP42_0.3	No odour, no staining.
Termination Depth at:0.3 m		0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP43

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290437.117420077
Northing (MGA): 6244338.39568033

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, dry, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
				AI_1B_TP43_0.1	
		0.1	1.3		
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.					No odour, no staining.
		0.2			
		0.3			
				AI_1B_TP43_0.4	
		0.4	1.3		
Termination Depth at:0.4 m					
		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP44

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290489.165179508
Northing (MGA): 6244308.72208015

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, dry, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	15.1	AI_1B_TP44_0.1	No odour, no staining.
(N3) CLAY: Mottled tan and grey, dry, soft, low plasticity.		0.2 0.3 0.4 0.5	1.9	AI_1B_TP44_0.5	No odour, no staining.
Termination Depth at:0.5 m		0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP45

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290514.168428504
Northing (MGA): 6244340.09749394

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
				AI_1B_TP45_0.1	
(N3) CLAY: Mottled tan and grey, damp, soft, low plasticity.		0.1	3.5		No odour, no staining.
		0.2			
		0.3			
		0.4	6.2	AI_1B_TP45_0.4	
Termination Depth at:0.4 m		0.5			
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP46

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 26/10/2021 - 26/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290568
Northing (MGA): 6244333

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, dry, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	2.1	IA_IB_TP46_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, hard, crumbly.		0.2 0.3 0.4 0.5	1.3	IA_IB_TP46_0.5	No odour, no staining.
Termination Depth at:0.5 m		0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP47

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290436.436839336
Northing (MGA): 6244369.20389587

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(F2) FILL: Silty SAND, brown, medium-large gravel inclusions, poor to moderate sorting, medium-course grain size, sub-rounded.		0.1	1.5	AI_1B_TP47_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3 0.4	1.3	AI_1B_TP47_0.4	No odour, no staining.
Termination Depth at:0.4 m		0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP48

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290462.120594215
Northing (MGA): 6244369.77123446

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.					No odour, no staining.
				AI_1B_TP48_0.1	
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.1	1.3		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	1.2	AI_1B_TP48_0.5	
		0.6			
Termination Depth at:0.6 m		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP49

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290461.440101938
Northing (MGA): 6244400.57944658

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	3.2	AI_1B_TP49_0.1	No odour, no staining.
		0.2			
		0.3			
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, extremely hard, low to medium plasticity.		0.4			No odour, no staining.
		0.5	1.4	AI_1B_TP49_0.5	
		0.6			
Termination Depth at:0.6 m		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP50

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290460.759614593
Northing (MGA): 6244431.38765753

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.			1.2	AI_1B_TP50_0.05	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.2	AI_1B_TP50_0.5	No odour, no staining.
Termination Depth at:0.7 m		0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP51

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290459.398654697
Northing (MGA): 6244493.0040759

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	0.9	AI_1B_TP51_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3 0.4 0.5 0.6 0.7	1.1	AI_1B_TP51_0.5	No odour, no staining.
Termination Depth at:0.7 m		0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP52

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290381.665658945
Northing (MGA): 6244522.1100923

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	0	AI_1B_TP52_0.1	No odour, no staining.
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.2 0.3 0.4 0.5	0	AI_1B_TP52_0.5	No odour, no staining.
Termination Depth at:0.7 m		0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP53

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290433.034009619
Northing (MGA): 6244523.24495595

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	1.4	AI_1B_TP53_0.1	No odour, no staining.
		0.2			
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.3			No odour, no staining.
		0.4			
		0.5	1.4		
		0.6			
		0.7			
Termination Depth at:0.7 m		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP54

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290458.718182147
Northing (MGA): 6244523.81228332

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.		0.1	1.2	AI_1B_TP54_0.1	No odour, no staining.
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.3	AI_1B_TP54_0.5	No odour, no staining.
Termination Depth at:0.8 m		0.9 1 1.1 1.2 1.3 1.4			

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BORE LOG ID AI_1B_TP55

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290175.51079491
Northing (MGA): 6244548.37608323

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				AI_1B_TP55_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	1.8		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	2	AI_1B_TP55_0.5	
		0.6			
		0.7			
		0.8			
Termination Depth at:0.8 m		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP56

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290201.195069695
Northing (MGA): 6244548.94410471

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				AI_1B_TP56_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	2.2		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	2.1	AI_1B_TP56_0.5	
		0.6			
		0.7			
		0.8			
Termination Depth at:0.8 m		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP57

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290252.563613647
Northing (MGA): 6244550.07993876

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				AI_1B_TP57_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	2		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	1.9	AI_1B_TP57_0.5	
		0.6			
		0.7			
Termination Depth at:0.7 m		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP58

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290303.251186252
Northing (MGA): 6244582.02371283

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	1.6		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	0.5		
Termination Depth at:0.6 m		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP59

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290329.616415523
Northing (MGA): 6244551.78316758

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				AI_1B_TP59_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	1.9		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	1.8	AI_1B_TP59_0.5	No odour, no staining.
Termination Depth at:0.5 m		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP60

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 292424.137946596
Northing (MGA): 6242779.29512093

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				AI_1B_TP60_0.1	
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.1	1.9		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	2	AI_1B_TP60_0.5	
		0.6			
		0.7			
Termination Depth at:0.7 m		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP61

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA):
Northing (MGA):

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N4) CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.		0.1	0.1	AI_1B_TP61_0.1	No odour, no staining.
		0.2			
		0.3			
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.4			No odour, no staining.
		0.5	0.5	AI_1B_TP61_0.5	
		0.6			
Termination Depth at:0.6 m		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP62

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290432.353458472
Northing (MGA): 6244554.05316445

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.		0.1	1.4	AI_1B_TP62_0.1	No odour, no staining.
		0.2			
		0.3			
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.4			No odour, no staining.
		0.5	1.6	AI_1B_TP62_0.5	
		0.6			
Termination Depth at:0.6 m		0.7			
		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP63

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290199.832478704
Northing (MGA): 6244610.56055861

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty Brown, damp, very soft, low plasticity, homogenous.					No odour, no staining.
				AI_1B_TP63_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	0		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	0	AI_1B_TP63_0.5	
		0.6			
		0.7			
		0.8			
		0.9			
		1			
		1.1			
Termination Depth at:1.1 m		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP64

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290225.516918672
Northing (MGA): 6244611.12850596

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				AI_1B_TP64_0.1	
(N2) CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.		0.1	2.1		No odour, no staining.
		0.2			
		0.3			
		0.4			
		0.5	2.2	AI_1B_TP64_0.5	
		0.6			
		0.7			
Termination Depth at:0.7 m		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID AI_1B_TP65

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road
Drilling Date: 25/10/2021 - 25/10/2021

Drilling Method: Test Pitting
Hole Diam./Width (mm): 450
Surface Completion: Backfill

Easting (MGA): 290251.201356767
Northing (MGA): 6244611.69638368

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Depth (m)	PID	Samples	Additional Observations
(N5) TOPSOIL: Silty, dark brown, damp, very soft, medium plasticity, homogenous.					No odour, no staining.
				AI_1B_TP65_0.1	
(N1) CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.		0.1	2.1		No odour, minor tree sap like staining.
		0.2			
		0.3			
		0.4			
		0.5	2	AI_1B_TP65_0.5	
		0.6			
		0.7			
Termination Depth at:0.7 m		0.8			
		0.9			
		1			
		1.1			
		1.2			
		1.3			
		1.4			

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BORE LOG ID A1_1B_MW01

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road

Drilling Date: 20/12/2021 - 20/12/2021
Drilling Method:
Hole Diam./Width (mm): 125
Surface Completion: Stickup
Water Strike (m bgl): -

Elevation (Ground):
Elevation (Case):
Easting (MGA): 0
Northing (MGA): 0

Comments:BH4

Log By: JY
Checked By: NG

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	Additional Observations
TOPSOIL: Silty CLAY topsoil. low plasticity, brown, with fine grained sand, vegetation and rootlets				Hand Augering	
SILTY CLAY: Medium to high plasticity, orange-brown mottled brown, trace rootlets			0.5	Augering Hollow Fligh	
SILTY CLAY: Medium to high plasticity, pale grey mottled orange-brown			1		
SILTY CLAY: Medium to high plasticity, pale grey mottled red-brown, with medium grained angular to sub-angular ironstone gravel			1.5		
SILTY CLAY: Medium to high plasticity, pale grey mottled red-brown, with medium grained angular to sub-angular ironstone gravel			2 2.5		
SHALE: Interbedded with SANDSTONE, grey and brown, fine grained, interbedded with thinly laminated shale and iron indurated bands			3 3.5 4	Continuous Coring	
SHALE: Interbedded with SANDSTONE, grey and brown, fine grained, with thinly laminated shale bands			4.5 5 5.5 6 6.5 7 7.5 8 8.5 9		
SHALE: Grey and pale grey, with widely spaced fine grained sandstone lamination			9.5 10		

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BORE LOG ID A1_1B_MW01

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	Additional Observations
			10.5 11		No distinct waterstrike. Geotechnicians did not take PID readings.
Termination Depth at:11.2 m			11.5 12 12.5 13 13.5 14 14.5 15 15.5 16 16.5 17 17.5 18 18.5 19 19.5 20 20.5 21 21.5		

BORE LOG ID A1_1B_MW02

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road

Drilling Date: 17/12/2021 - 17/12/2021
Drilling Method:
Hole Diam./Width (mm): 125
Surface Completion: Stickup
Water Strike (m bgl): -

Elevation (Ground):
Elevation (Case):
Easting (MGA): 0
Northing (MGA): 0

Comments: BH2

Log By: JY
Checked By: NG

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	Additional Observations
TOPSOIL: Silty CLAY topsoil. low plasticity, brown, trace of fine grained sand and fine to coarse grained ironstone gravel, with vegetation and rootlets				Hand Augering	
SILTY CLAY: Medium to high plasticity, orange-brown, trace of medium to coarse grained angular to sub-angular ironstone gravel			0.5	Augering Hollow Fligh	
SILTY CLAY: Medium to high plasticity, pale grey and mottled orange			1		
SILTY CLAY: Medium plasticity, pale grey and orange with angular to sub-angular shale gravel (ironstone and extremely weathered shale bands)			1.5 2 2.5		
SHALE: Interbedded with SANDSTONE, fine grained, grey, brown and light grey, thinly laminated, with clay bands and iron indurated bands			3 3.5 4 4.5 5 5.5 6 6.5	Continuous Coring	
SHALE: Interbedded with SANDSTONE, fine grained, grey, thinly to very thinly laminated, occasional iron indurated bands			7 7.5 8 8.5 9 9.5		No distinct waterstrike. Geotechnicians did not take PID readings.
Termination Depth at:9.54 m					

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BORE LOG ID A1_1B_MW03

Client: WPCA	**Drilling Date:** 23/11/2021 - 23/11/2021	**Elevation (Ground):**
Project No: 0571466	**Drilling Method:**	**Elevation (Case):**
Project Name: WPCA Aerotropolis	**Hole Diam./Width (mm):** 125	**Easting (MGA):** 290277
Site Address: 15 Badgerys Creek Road	**Surface Completion:** Stickup	**Northing (MGA):** 6244613
	Water Strike (m bgl): 12.9	

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
CLAY: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.				Hand Augering		
CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.			0.5		1	
CLAY: Grey low-moderate plasticity clay with pink mottle. Damp, soft			1	Percussion Hammer		
			1.5			
			2		1	
			2.5			
SHALE: Grey / tan mottled shales. Damp.			3		1	Less tan colouring and increasing hardness with greater depth.
			3.5			
			4		1	
			4.5			
			5		1.3	
			5.5			
			6		1.1	
			6.5			
			7		1.2	
			7.5			
			8		1.1	
			8.5			
			9		1.4	
			9.5			
			10			

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BORE LOG ID A1_1B_MW03

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
			10.5		1.4	
			11		1.5	
			11.5			
			12		1.6	
			12.5			
			13		1.4	
			13.5			
			14		1.4	
			14.5			
			15		1.4	
			15.5			
			16			
			16.5			
			17			
			17.5			
			18			
			18.5			
			19			
			19.5			
			20			
			20.5			
			21			
			21.5			

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BORE LOG ID A1_1B_MW04

Client: WPCA	**Drilling Date:** 23/11/2021 - 23/11/2021	**Elevation (Ground):**
Project No: 0571466	**Drilling Method:**	**Elevation (Case):**
Project Name: WPCA Aerotropolis	**Hole Diam./Width (mm):** 125	**Easting (MGA):** 290356
Site Address: 15 Badgerys Creek Road	**Surface Completion:** Stickup	**Northing (MGA):** 6244602
	Water Strike (m bgl): -	

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
TOPSOIL: Silty topsoil, dark brown, damp, very soft, medium plasticity, homogenous.				Hand Augering	1.5	
CLAY: Mottled orange/red and grey, damp, soft, medium-high plasticity, orange decreasing with depth.			0.5		1.2	
SHALE: Highly weathered shales - Grey and pink mottle. Damp.			1			
			1.5	Percussion Hammer		
			2			
			2.5		1.4	
			3			
SHALE: Highly weathered shales - Grey and tan mottle. Damp.			3.5		1.1	
			4			
			4.5		1.1	
			5			
SHALE: Highly weathered shales - Grey. Damp. Less weathered.			5.5		1.3	Significantly harder at 8m.
			6			
			6.5		1.2	
			7			
			7.5		1.2	
			8			
			8.5		1.2	
			9			
			9.5			
			10			

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BORE LOG ID A1_1B_MW04

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
			10.5		1.4	
			11		1.1	No distinct waterstrike.
Termination Depth at:11.2 m			11.5			
			12			
			12.5			
			13			
			13.5			
			14			
			14.5			
			15			
			15.5			
			16			
			16.5			
			17			
			17.5			
			18			
			18.5			
			19			
			19.5			
			20			
			20.5			
			21			
			21.5			

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BORE LOG ID A1_1B_MW05

Client: WPCA	**Drilling Date:** 22/11/2021 - 22/11/2021	**Elevation (Ground):**
Project No: 0571466	**Drilling Method:**	**Elevation (Case):**
Project Name: WPCA Aerotropolis	**Hole Diam./Width (mm):** 125	**Easting (MGA):** 290460
Site Address: 15 Badgerys Creek Road	**Surface Completion:**	**Northing (MGA):** 6244438
	Water Strike (m bgl): HeaderInfo.Depth	

Comments:

Log By: JE
Checked By: NG

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
TOPSOIL: Brown, damp, medium stiffness, low-medium plasticity, homogenous, minor organic inclusions.				Hand Augering	1.3 1.2	
CLAY: Red with minor grey mottle and shale inclusions, damp, stiff, low to medium plasticity.			0.5	Percussion Hammer		
			1			
			1.5		1.5	
			2			
			2.5		1.3	
			3			
			3.5		1.3	
SHALE: Grey weathered shale with pink / red mottle and soft clay inclusions. Damp.			4			
			4.5		1.3	
SHALE: Grey weathered shale with minor tan mottle and hard red shale inclusions.			5			
			5.5		1.2	
			6			
			6.5		1.2	
			7			
			7.5		1.3	
			8			
			8.5		1.2	
			9			
			9.5		1.4	
SHALE: Grey weathered shale.			10			Significantly harder at 10.3m and again at 13.0m

BORE LOG ID A1_1B_MW05

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
			10.5		1.2	
			11			
			11.5		1.3	
			12			
			12.5		1.3	
			13			
			13.5		1.3	
Termination Depth at:13.5 m			14			
			14.5			
			15			
			15.5			
			16			
			16.5			
			17			
			17.5			
			18			
			18.5			
			19			
			19.5			
			20			
			20.5			
			21			
			21.5			

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BORE LOG ID A1_1B_MW06

Client: WPCA
Project No: 0571466
Project Name: WPCA Aerotropolis
Site Address: 15 Badgerys Creek Road

Drilling Date: 21/12/2021 - 21/12/2021
Drilling Method:
Hole Diam./Width (mm): 125
Surface Completion:
Water Strike (m bgl): HeaderInfo.Depth

Elevation (Ground):
Elevation (Case):
Easting (MGA): 0
Northing (MGA): 0

Comments: BH13

Log By: JE
Checked By: NG

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
TOPSOIL: Silty CLAY topsoil. low plasticity, brown, trace of fine grained sand and fine to coarse grained ironstone gravel, with vegetation and rootlets				Hand Augering		
SILTY CLAY: Medium to high plasticity, red-brown, trace of fine grained sand			0.5	Augering Hollow Fligh		Presence of angular to sub-angular shale gravel
SILTY CLAY: Medium plasticity, pale grey and mottled orange, with fineto coarse grained angular to sub-angular ironstone gravel			1, 1.5, 2			
SILTY CLAY: Medium plasticity, grey and brown with angular to sub-angular shale gravel (extremely weathered shale bands)			2.5			
SHALE: Grey and dark grey, very low strength shale, highly weathered			3			
SHALE: Grey and brown, thinly laminated, interbedded with clay bands and iron indurated bands			3.5, 4, 4.5, 5, 5.5, 6	Continuous Coring		
SHALE: Interbedded with SANDSTONE, fine grained, grey and brown, interbedded with thinly laminated shale and iron indurated bands			6.5, 7, 7.5			
SHALE: Interbedded with SANDSTONE, fine grained, grey and pale grey, interbedded with thinly laminated shale and clay bands			8, 8.5, 9, 9.5, 10			

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BORE LOG ID A1_1B_MW06

Material Description	Symbol	Well Diagram	Depth (m)	Drilling Method	PID	Additional Observations
SHALE: Interbedded with SANDSTONE, fine grained, grey and pale grey, interbedded with thinly to very thinly laminated shale			10.5 11 11.5 12			
Termination Depth at:12.2 m			12.5 13 13.5 14 14.5 15 15.5 16 16.5 17 17.5 18 18.5 19 19.5 20 20.5 21 21.5			

APPENDIX D PHOTOGRAPHIC LOG

Project Photo Log WPCA First Building DSI - 0571466

Photograph 1

General site photo. West facing photo taken in north of 1st building area

Photograph 2

General site photo. East facing photo taken in north of 1st building area

Photograph 3

General site photo. North facing photo taken in south-west of 1st building area. TP31 in foreground

Photograph 4

General site photo. North facing photo. TP62 in centre of photograph

Project Photo Log WPCA First Building DSI - 0571466

Photograph 5
TP01 – Backhoe excavating test pit

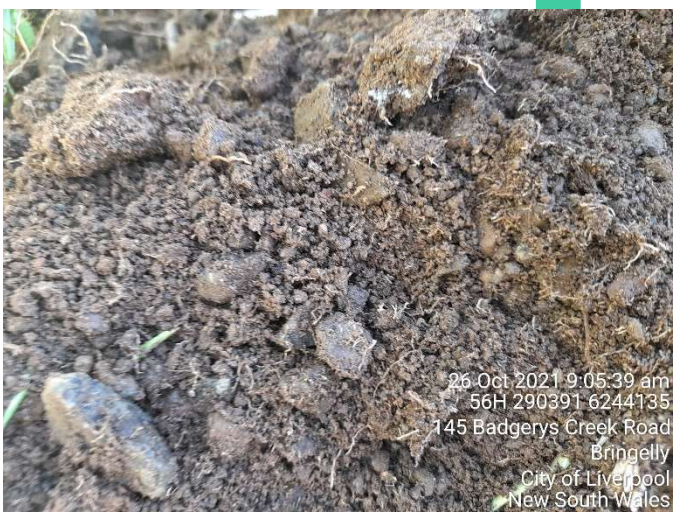
Photograph 6
TP01 - Profile

Photograph 7
TP01 - Topsoil

Photograph 8
TP01 – underlying natural clay materials

Project Photo Log WPCA First Building DSI - 0571466

Photograph 9
TP07 - Profile



Photograph 10
TP07 – Fill materials along site access roads

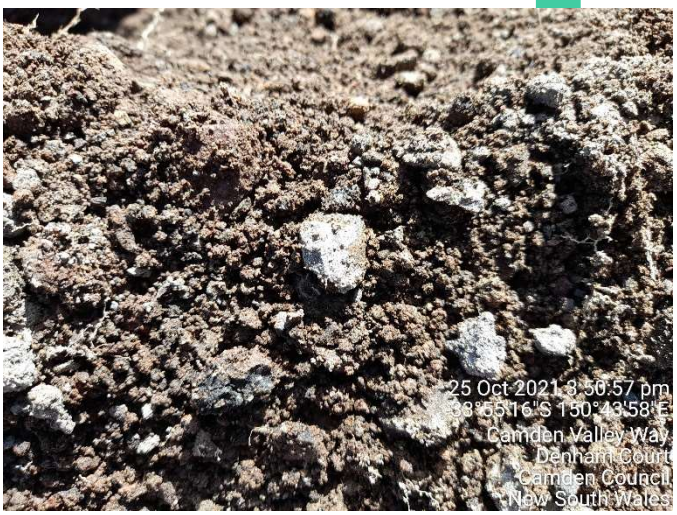
Photograph 11
TP07 – Underlying natural clay materials

Photograph 12
TP16 – Underlying natural materials – Red / Grey mottled clays

Project Photo Log WPCA First Building DSI - 0571466

Photograph 13

TP31 - profile



Photograph 14

TP31 – Close up photo of fill associated with site access roads

Photograph 15

TP31 – Natural Red / Orange clays underlying fill materials

Photograph 16

TP32 profile

Project Photo Log WPCA First Building DSI - 0571466

Photograph 17

TP32 – Excavated materials

Photograph 18

TP43 – test pit profile

Photograph 19

TP43 – red natural underlying clays

Photograph 20

TP55 – test pit profile

Project Photo Log WPCA First Building DSI - 0571466

Photograph 21

TP55 – material close-up. Mottled natural clays

Photograph 22

TP57 – overlying topsoils

Photograph 23

TP57 – natural underlying clay materials

Photograph 24

TP57 - profile

Project Photo Log WPCA First Building DSI - 0571466

Photograph 25

TP62 – test pit profile

Photograph 26

TP62 – Close up of overlying topsoil material

Photograph 27

TP65 - profile

Photograph 28

TP65 – underlying red / grey mottled clay material

Project Photo Log WPCA First Building DSI - 0571466

Photograph 29

SE01 sample location – western site boundary

Photograph 30

SE02 sample location – western site boundary

Photograph 31

SE03 sample location – plant parking area adjacent

Photograph 32

Site entrance – southern boundary backing on to rural properties. SE04 sample location. Bunded during installation of contractor site sheds.

Project Photo Log WPCA First Building DSI - 0571466

Photograph 33

SE04 Sample location

Photograph 34

MW04 – Hand augering borehole prior to mechanical drill advancement

Photograph 35

MW05 – Drilling soil bore prior to well installation

Photograph 36

MW05 – Well following installation

Project Photo Log WPCA First Building DSI - 0571466

Photograph 37

MW05 – Hydrasleeve of water during well sampling

APPENDIX E CALIBRATION RECORDS

PID Calibration Certificate

Instrument **PhoCheck Tiger**
Serial No. **T-113988**

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments			
Battery	Charge Condition	✓				
	Fuses	✓				
	Capacity	✓				
	Recharge OK?	✓				
Switch/keypad	Operation	✓				
Display	Intensity	✓				
	Operation (segments)	✓				
Grill Filter	Condition	✓				
	Seal	✓				
Pump	Operation	✓				
	Filter	✓				
	Flow	✓				
	Valves, Diaphragm	✓				
PCB	Condition	✓				
Connectors	Condition	✓				
Sensor	PID	✓	10.6ev			
Alarms	Beeper	✓	Low	High	TWA	STEL
	Settings	✓	50ppm	100ppm	N/A	N/A
Software	Version	✓				
Data logger	Operation	✓				
Download	Operation	✓				
Other tests:						

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Calibration gas and concentration	Certified	Gas bottle No		Instrument Reading
PID Lamp		93ppm Isobutylene		SY361		91.8ppm

Calibrated by: **Lauren Tompkins**

Calibration date: **28/05/2021**

Next calibration due: **24/11/2021**

Multi Parameter Water Meter

Instrument **YSI Quatro Pro Plus**
Serial No. **18G103111**

airmet
Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH	✓	
	2. mV	✓	
	3. EC	✓	
	4. D.O	✓	
	5. Temp	✓	
Alarms	Beeper	✓	
	Settings	✓	
Software	Version	✓	
Data logger	Operation	✓	
Download	Operation	✓	
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. pH 7.00		pH 7.00		368081	pH 7.1
2. pH 4.00		pH 4.00		380327	pH 3.91
3. pH 10.00		pH 10.00		370064	pH 9.96
3. mV		227.4 mV		365451/370891	227.8mV
4. EC		2.76mS		377099	2.77mS
6. D.O		0.00 ppm		371864	-0.01ppm
7. Temp		23.4°C		MultiTherm	23.4°C

Calibrated by: **Evan Weller**

Calibration date: **08/02/2022**

Next calibration due: **11/03/2022**

PID Calibration Certificate

Instrument **PhoCheck Tiger**
Serial No. **T-111096**

airmet

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments			
Battery	Charge Condition	✓				
	Fuses	✓				
	Capacity	✓				
	Recharge OK?	✓				
Switch/keypad	Operation	✓				
Display	Intensity	✓				
	Operation (segments)	✓				
Grill Filter	Condition	✓				
	Seal	✓				
Pump	Operation	✓				
	Filter	✓				
	Flow	✓				
	Valves, Diaphragm	✓				
PCB	Condition	✓				
Connectors	Condition	✓				
Sensor	PID	✓	10.6 ev			
Alarms	Beeper	✓	Low	High	TWA	STEL
	Settings	✓	50ppm	100ppm		
Software	Version	✓				
Data logger	Operation	✓				
Download	Operation	✓				
Other tests:						

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Calibration gas and concentration	Certified	Gas bottle No		Instrument Reading
PID Lamp		93ppm Isobutylene	NATA	SY361		91.8ppm

Calibrated by: **Chris Edwards**

Calibration date: **19/10/2021**

Next calibration due: **18/11/2021**

APPENDIX F LABORATORY CERTIFICATES

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, lan.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments: # 835522

Sample information					Tests Required														Comments
Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP54_0.1		25/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP54_0.5		25/20/2021	SOIL		X													
	1B_TP51_0.1		25/20/2021	SOIL	X														
	1B_TP51_0.5		25/20/2021	SOIL		X													
	1B_TP50_0.05		25/20/2021	SOIL	X														**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP50_0.5		25/20/2021	SOIL		X													
	1B_TP49_0.1		25/20/2021	SOIL	X														
	1B_TP49_0.5		25/20/2021	SOIL		X													
	1B_TP48_0.1		25/20/2021	SOIL	X														
	1B_TP48_0.5		25/20/2021	SOIL		X													
	1B_TP47_0.1		25/20/2021	SOIL	X														
	1B_TP47_0.4		25/20/2021	SOIL		X													
	1B_TP42_0.1		25/20/2021	SOIL	X														
	1B_TP42_0.3		25/20/2021	SOIL		X													

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company): Envirolab
Print Name: RPhillips
Date & Time: 26/10/21 4:08pm
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: 12.1°C **(if applicable)**
Transported by: Hand delivered / courier

White - Lab copy / Blue - Client copy / Pink - Retain in Book

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, lan.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information					Tests Required														Comments
Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP43_0.1		25/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP43_0.4		25/20/2021	SOIL		X													
	1B_TP44_0.1		25/20/2021	SOIL	X														
	1B_TP44_0.5		25/20/2021	SOIL		X													
	1B_TP45_0.1		25/20/2021	SOIL	X														**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP45_0.4		25/20/2021	SOIL		X													
	1B_TP37_0.1		25/20/2021	SOIL	X														
	1B_TP37_0.3		25/20/2021	SOIL		X													
	1B_TP31_0.1		25/20/2021	SOIL	X														
	1B_TP31_0.4		25/20/2021	SOIL		X													
	1B_TP32_0.1		25/20/2021	SOIL	X														
	1B_TP32_0.4		25/20/2021	SOIL		X													
	1B_TP25_0.1		25/20/2021	SOIL	X														
	1B_TP25_0.3		25/20/2021	SOIL		X													

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RP
Date & Time: 26/7/21
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

White - Lab copy / Blue - Client copy / Pink - Retain in Book

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
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Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, lan.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information					Tests Required														Comments
Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP63_0.1		25/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP63_0.5		25/20/2021	SOIL		X													
	1B_TP55_0.1		25/20/2021	SOIL	X														
	1B_TP55_0.5		25/20/2021	SOIL		X													
	1B_TP56_0.1		25/20/2021	SOIL	X														**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP56_0.5		25/20/2021	SOIL		X													
	1B_TP64_0.1		25/20/2021	SOIL	X														
	1B_TP64_0.5		25/20/2021	SOIL		X													
	1B_TP65_0.1		25/20/2021	SOIL	X														
	1B_TP65_0.5		25/20/2021	SOIL		X													
	1B_TP57_0.1		25/20/2021	SOIL	X														
	1B_TP57_0.5		25/20/2021	SOIL		X													
	1B_TP59_0.1		25/20/2021	SOIL	X														
	1B_TP59_0.5		25/20/2021	SOIL		X													

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RP
Date & Time: 26/10/21
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: (if applicable)
Transported by: Hand delivered / courier

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
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Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, Ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information | **Tests Required** | **Comments**

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**	BTEX												Provide as much information about the sample as you can
	1B_TP60_0.1		25/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP60_0.5		25/20/2021	SOIL		X													
	1B_TP61_0.1		25/20/2021	SOIL	X														
	1B_TP61_0.5		25/20/2021	SOIL		X													
	1B_TP62_0.1		25/20/2021	SOIL	X														**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP62_0.5		25/20/2021	SOIL		X													
	1B_TP52_0.1		25/20/2021	SOIL	X														
	1B_TP52_0.5		25/20/2021	SOIL		X													
	1B_TP53_0.1		25/20/2021	SOIL	X														
	1B_20211025_D01		25/20/2021	SOIL		X													
	1B_20211025_D02		25/20/2021	SOIL		X													
	1B_20211025_T01		25/20/2021	SOIL		X													PLEASE SEND TO ALS
	1B_20211025_T02		25/20/2021	SOIL		X													PLEASE SEND TO ALS
	TS/TB		25/20/2021	WATER			X												
	1B_20211025_R01		25/20/2021	WATER		X													

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RJ
Date & Time: 26/10/21
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

0571466 - ID Request

Jack Emblen <Jack.Emblen@erm.com>

Fri 2/4/2022 5:26 PM

To: John Nguyen <JohnNguyen@eurofins.com>

Cc: Nicholas Grbich <Nicholas.Grbich@erm.com>

> **CAUTION:** EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.
>
> Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi John,

Bit of an annoying request for you but can we please get our sample ID's re-named for the below lab reports? We need to prefix "AI_" added to the front of every sample ID and reports re-issued due to clashes with prior sampling rounds occurring in ESDAT.

So for example, sample "1B_TP01_0.1" would become "AI_1B_TP01_0.1"

Reports:

- 846063
- 835522
- 837639
- 836571
- 838531
- 838539
- 842812
- 846063
- 853609
- 838532
- 838534
- 838536
- 838537
- 838539
- 841164
- 852528
- 852729
- 853214

I appreciate it's a big list but your help would be much appreciated on this one.
Kind Regards,

Jack Emblen
Environmental Consultant

ERM
Unit 11 ¦277 Lane Cove Road¦ Macquarie Park NSW 2113
E jack.emblen@erm.com ¦ W www.erm.com

ERM The business of sustainability

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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

Sydney
Unit F3, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
1/21 Smallwood Place
Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Phone : +61 2 4968 8448
NATA # 1261 Site # 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool WA 6106
Phone : +61 8 6253 4444
NATA # 2377 Site # 2370

Eurofins Environment Testing NZ Limited
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Sample Receipt Advice

Company name:	ERM Sydney
Contact name:	Nicholas Grbich
Project name:	WPCA BCC
Project ID:	0571466
Turnaround time:	5 Day
Date/Time received	Oct 26, 2021 4:08 PM
Eurofins reference	835522

Sample Information

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

Notes

Samples 1B_TP25_0.3 and 1B_TP25_0.1 not received, analysis for these missing samples will be cancelled. Extra samples received of 1B_TP25_0.1, TP27_0.1 and 0.3, TP38_0.1 and 0.3, TP53_0.5, TP58_0.1 and 0.5. Extra samples have been put on hold.

Contact

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

John Nguyen on phone : or by email: JohnNguyen@eurofins.com

Results will be delivered electronically via email to Nicholas Grbich - nicholas.grbich@erm.com.

Note: A copy of these results will also be delivered to the general ERM Sydney email address.

eurofins | Environment Testing

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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

Sydney
Unit F3, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

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PO Box 60 Wickham 2293
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NATA # 1261 Site # 25079

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Welshpool WA 6106
Phone : +61 8 6253 4444
NATA # 2377 Site # 2370

Eurofins Environment Testing NZ Limited
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Company Name: ERM Sydney
Address: Level 15, 309 Kent St
Sydney
NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	AI_1B_TP54_0.1	Oct 25, 2021		Soil	S21-Oc57111	X				X	X	X	X	X	
2	AI_1B_TP54_0.5	Oct 25, 2021		Soil	S21-Oc57112					X	X	X	X	X	
3	AI_1B_TP51_0.1	Oct 25, 2021		Soil	S21-Oc57113	X				X	X	X	X	X	
4	AI_1B_TP51_0.5	Oct 25, 2021		Soil	S21-Oc57114					X	X	X	X	X	
5	AI_1B_TP50_0.05	Oct 25, 2021		Soil	S21-Oc57115	X				X	X	X	X	X	
6	AI_1B_TP50_	Oct 25, 2021		Soil	S21-Oc57116					X	X	X	X	X	

eurofins | Environment Testing

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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

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NATA # 1261 Site # 18217

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NATA # 1261 Site # 20794

Newcastle
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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
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Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
7	AI_1B_TP49_0.1	Oct 25, 2021		Soil	S21-Oc57117	X				X	X	X	X	X	
8	AI_1B_TP49_0.5	Oct 25, 2021		Soil	S21-Oc57118					X	X	X	X	X	
9	AI_1B_TP48_0.1	Oct 25, 2021		Soil	S21-Oc57119	X				X	X	X	X	X	
10	AI_1B_TP48_0.5	Oct 25, 2021		Soil	S21-Oc57120					X	X	X	X	X	
11	AI_1B_TP47_0.1	Oct 25, 2021		Soil	S21-Oc57121	X				X	X	X	X	X	
12	AI_1B_TP47_0.4	Oct 25, 2021		Soil	S21-Oc57122					X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
13	AI_1B_TP42_0.1	Oct 25, 2021		Soil	S21-Oc57123	X				X	X	X	X	X	
14	AI_1B_TP42_0.3	Oct 25, 2021		Soil	S21-Oc57124					X	X	X	X	X	
15	AI_1B_TP43_0.1	Oct 25, 2021		Soil	S21-Oc57125	X				X	X	X	X	X	
16	AI_1B_TP43_0.4	Oct 25, 2021		Soil	S21-Oc57126					X	X	X	X	X	
17	AI_1B_TP44_0.1	Oct 25, 2021		Soil	S21-Oc57127	X				X	X	X	X	X	
18	AI_1B_TP44_0.5	Oct 25, 2021		Soil	S21-Oc57128					X	X	X	X	X	
19	AI_1B_TP45_	Oct 25, 2021		Soil	S21-Oc57129	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.1														
20	AI_1B_TP45_0.4	Oct 25, 2021		Soil	S21-Oc57130					X	X	X	X	X	
21	AI_1B_TP37_0.1	Oct 25, 2021		Soil	S21-Oc57131	X				X	X	X	X	X	
22	AI_1B_TP37_0.3	Oct 25, 2021		Soil	S21-Oc57132					X	X	X	X	X	
23	AI_1B_TP31_0.1	Oct 25, 2021		Soil	S21-Oc57133	X				X	X	X	X	X	
24	AI_1B_TP31_0.4	Oct 25, 2021		Soil	S21-Oc57134					X	X	X	X	X	
25	AI_1B_TP32_0.1	Oct 25, 2021		Soil	S21-Oc57135	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
26	AI_1B_TP32_0.4	Oct 25, 2021		Soil	S21-Oc57136					X	X	X	X	X	
27	AI_1B_TP25_0.1	Oct 25, 2021		Soil	S21-Oc57137		X								
28	AI_1B_TP25_0.3	Oct 25, 2021		Soil	S21-Oc57138		X								
29	AI_1B_TP63_0.1	Oct 25, 2021		Soil	S21-Oc57139	X				X	X	X	X	X	
30	AI_1B_TP63_0.5	Oct 25, 2021		Soil	S21-Oc57140					X	X	X	X	X	
31	AI_1B_TP55_0.1	Oct 25, 2021		Soil	S21-Oc57141	X				X	X	X	X	X	
32	AI_1B_TP55_	Oct 25, 2021		Soil	S21-Oc57142					X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
33	AI_1B_TP56_0.1	Oct 25, 2021		Soil	S21-Oc57143	X				X	X	X	X	X	
34	AI_1B_TP56_0.5	Oct 25, 2021		Soil	S21-Oc57144					X	X	X	X	X	
35	AI_1B_TP64_0.1	Oct 25, 2021		Soil	S21-Oc57145	X				X	X	X	X	X	
36	AI_1B_TP64_0.5	Oct 25, 2021		Soil	S21-Oc57146					X	X	X	X	X	
37	AI_1B_TP65_0.1	Oct 25, 2021		Soil	S21-Oc57147	X				X	X	X	X	X	
38	AI_1B_TP65_0.5	Oct 25, 2021		Soil	S21-Oc57148					X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
39	AI_1B_TP57_0.1	Oct 25, 2021		Soil	S21-Oc57149	X				X	X	X	X	X	
40	AI_1B_TP57_0.5	Oct 25, 2021		Soil	S21-Oc57150					X	X	X	X	X	
41	AI_1B_TP59_0.1	Oct 25, 2021		Soil	S21-Oc57151	X				X	X	X	X	X	
42	AI_1B_TP59_0.5	Oct 25, 2021		Soil	S21-Oc57152					X	X	X	X	X	
43	AI_1B_TP60_0.1	Oct 25, 2021		Soil	S21-Oc57153	X				X	X	X	X	X	
44	AI_1B_TP60_0.5	Oct 25, 2021		Soil	S21-Oc57154					X	X	X	X	X	
45	AI_1B_TP61_	Oct 25, 2021		Soil	S21-Oc57155	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.1														
46	AI_1B_TP61_0.5	Oct 25, 2021		Soil	S21-Oc57156					X	X	X	X	X	
47	AI_1B_TP62_0.1	Oct 25, 2021		Soil	S21-Oc57157	X				X	X	X	X	X	
48	AI_1B_TP62_0.5	Oct 25, 2021		Soil	S21-Oc57158					X	X	X	X	X	
49	AI_1B_TP52_0.1	Oct 25, 2021		Soil	S21-Oc57159	X				X	X	X	X	X	
50	AI_1B_TP52_0.5	Oct 25, 2021		Soil	S21-Oc57160					X	X	X	X	X	
51	AI_1B_TP53_0.1	Oct 25, 2021		Soil	S21-Oc57161	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
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Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
52	AI_1B_20211025_D01	Oct 25, 2021		Soil	S21-Oc57162					X	X	X	X	X	
53	AI_1B_20211025_D02	Oct 25, 2021		Soil	S21-Oc57163					X	X	X	X	X	
54	AI_TS	Oct 25, 2021		Water	S21-Oc57164										X
55	AI_TB	Oct 25, 2021		Water	S21-Oc57165				X						
56	AI_1B_20211025_R01	Oct 25, 2021		Water	S21-Oc57166					X		X	X	X	
57	AI_1B_TP25_0.1	Oct 25, 2021		Water	S21-Oc62441			X							
58	AI_1B_TP27_0.1	Oct 25, 2021		Water	S21-Oc62442			X							

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NATA # 2377 Site # 2370

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IANZ # 1290

Company Name: ERM Sydney
Address: Level 15, 309 Kent St
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NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
59	AI_1B_TP27_0.3	Oct 25, 2021		Water	S21-Oc62443			X							
60	AI_1B_TP38_0.1	Oct 25, 2021		Water	S21-Oc62444			X							
61	AI_1B_TP38_0.3	Oct 25, 2021		Water	S21-Oc62445			X							
62	AI_1B_TP53_0.5	Oct 25, 2021		Water	S21-Oc62446			X							
63	AI_1B_TP58_0.1	Oct 25, 2021		Water	S21-Oc62447			X							
64	AI_1B_TP58_0.5	Oct 25, 2021		Water	S21-Oc62448			X							
Test Counts						25	2	8	1	52	51	52	52	52	1

Certificate of Analysis

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention:	Nicholas Grbich
Report	835522-AID-V2
Project Name	WPCA BCC
Project ID	0571466
Received Date	Oct 26, 2021
Date Reported	Feb 07, 2022

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "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 WPCA BCC
Project ID 0571466
Date Sampled Oct 25, 2021
Report 835522-AID-V2

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
AI_1B_TP54_0.1	21-Oc57111	Oct 25, 2021	Approximate Sample 652g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP51_0.1	21-Oc57113	Oct 25, 2021	Approximate Sample 418g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP50_0.05	21-Oc57115	Oct 25, 2021	Approximate Sample 737g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP49_0.1	21-Oc57117	Oct 25, 2021	Approximate Sample 681g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP48_0.1	21-Oc57119	Oct 25, 2021	Approximate Sample 693g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP47_0.1	21-Oc57121	Oct 25, 2021	Approximate Sample 896g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP42_0.1	21-Oc57123	Oct 25, 2021	Approximate Sample 1121g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP43_0.1	21-Oc57125	Oct 25, 2021	Approximate Sample 755g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
AI_1B_TP44_0.1	21-Oc57127	Oct 25, 2021	Approximate Sample 840g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP45_0.1	21-Oc57129	Oct 25, 2021	Approximate Sample 585g Sample consisted of: Brown fine-grained clayey soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP37_0.1	21-Oc57131	Oct 25, 2021	Approximate Sample 841g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP31_0.1	21-Oc57133	Oct 25, 2021	Approximate Sample 810g Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP32_0.1	21-Oc57135	Oct 25, 2021	Approximate Sample 593g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP63_0.1	21-Oc57139	Oct 25, 2021	Approximate Sample 395g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP55_0.1	21-Oc57141	Oct 25, 2021	Approximate Sample 608g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP56_0.1	21-Oc57143	Oct 25, 2021	Approximate Sample 633g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP64_0.1	21-Oc57145	Oct 25, 2021	Approximate Sample 706g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP65_0.1	21-Oc57147	Oct 25, 2021	Approximate Sample 708g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP57_0.1	21-Oc57149	Oct 25, 2021	Approximate Sample 635g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP59_0.1	21-Oc57151	Oct 25, 2021	Approximate Sample 622g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP60_0.1	21-Oc57153	Oct 25, 2021	Approximate Sample 860g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
AI_1B_TP61_0.1	21-Oc57155	Oct 25, 2021	Approximate Sample 602g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP62_0.1	21-Oc57157	Oct 25, 2021	Approximate Sample 675g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP52_0.1	21-Oc57159	Oct 25, 2021	Approximate Sample 816g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP53_0.1	21-Oc57161	Oct 25, 2021	Approximate Sample 589g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. 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	Oct 27, 2021	Indefinite

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	AI_1B_TP54_0.1	Oct 25, 2021		Soil	S21-Oc57111	X				X	X	X	X	X	
2	AI_1B_TP54_0.5	Oct 25, 2021		Soil	S21-Oc57112					X	X	X	X	X	
3	AI_1B_TP51_0.1	Oct 25, 2021		Soil	S21-Oc57113	X				X	X	X	X	X	
4	AI_1B_TP51_0.5	Oct 25, 2021		Soil	S21-Oc57114					X	X	X	X	X	
5	AI_1B_TP50_0.05	Oct 25, 2021		Soil	S21-Oc57115	X				X	X	X	X	X	
6	AI_1B_TP50_	Oct 25, 2021		Soil	S21-Oc57116					X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
7	AI_1B_TP49_0.1	Oct 25, 2021		Soil	S21-Oc57117	X				X	X	X	X	X	
8	AI_1B_TP49_0.5	Oct 25, 2021		Soil	S21-Oc57118					X	X	X	X	X	
9	AI_1B_TP48_0.1	Oct 25, 2021		Soil	S21-Oc57119	X				X	X	X	X	X	
10	AI_1B_TP48_0.5	Oct 25, 2021		Soil	S21-Oc57120					X	X	X	X	X	
11	AI_1B_TP47_0.1	Oct 25, 2021		Soil	S21-Oc57121	X				X	X	X	X	X	
12	AI_1B_TP47_0.4	Oct 25, 2021		Soil	S21-Oc57122					X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
13	AI_1B_TP42_0.1	Oct 25, 2021		Soil	S21-Oc57123	X				X	X	X	X	X	
14	AI_1B_TP42_0.3	Oct 25, 2021		Soil	S21-Oc57124					X	X	X	X	X	
15	AI_1B_TP43_0.1	Oct 25, 2021		Soil	S21-Oc57125	X				X	X	X	X	X	
16	AI_1B_TP43_0.4	Oct 25, 2021		Soil	S21-Oc57126					X	X	X	X	X	
17	AI_1B_TP44_0.1	Oct 25, 2021		Soil	S21-Oc57127	X				X	X	X	X	X	
18	AI_1B_TP44_0.5	Oct 25, 2021		Soil	S21-Oc57128					X	X	X	X	X	
19	AI_1B_TP45_	Oct 25, 2021		Soil	S21-Oc57129	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
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External Laboratory															
	0.1														
20	AI_1B_TP45_0.4	Oct 25, 2021		Soil	S21-Oc57130					X	X	X	X	X	
21	AI_1B_TP37_0.1	Oct 25, 2021		Soil	S21-Oc57131	X				X	X	X	X	X	
22	AI_1B_TP37_0.3	Oct 25, 2021		Soil	S21-Oc57132					X	X	X	X	X	
23	AI_1B_TP31_0.1	Oct 25, 2021		Soil	S21-Oc57133	X				X	X	X	X	X	
24	AI_1B_TP31_0.4	Oct 25, 2021		Soil	S21-Oc57134					X	X	X	X	X	
25	AI_1B_TP32_0.1	Oct 25, 2021		Soil	S21-Oc57135	X				X	X	X	X	X	

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Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
26	AI_1B_TP32_0.4	Oct 25, 2021		Soil	S21-Oc57136					X	X	X	X	X	
27	AI_1B_TP25_0.1	Oct 25, 2021		Soil	S21-Oc57137		X								
28	AI_1B_TP25_0.3	Oct 25, 2021		Soil	S21-Oc57138		X								
29	AI_1B_TP63_0.1	Oct 25, 2021		Soil	S21-Oc57139	X				X	X	X	X	X	
30	AI_1B_TP63_0.5	Oct 25, 2021		Soil	S21-Oc57140					X	X	X	X	X	
31	AI_1B_TP55_0.1	Oct 25, 2021		Soil	S21-Oc57141	X				X	X	X	X	X	
32	AI_1B_TP55_	Oct 25, 2021		Soil	S21-Oc57142					X	X	X	X	X	

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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
Sydney
NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
33	AI_1B_TP56_0.1	Oct 25, 2021		Soil	S21-Oc57143	X				X	X	X	X	X	
34	AI_1B_TP56_0.5	Oct 25, 2021		Soil	S21-Oc57144					X	X	X	X	X	
35	AI_1B_TP64_0.1	Oct 25, 2021		Soil	S21-Oc57145	X				X	X	X	X	X	
36	AI_1B_TP64_0.5	Oct 25, 2021		Soil	S21-Oc57146					X	X	X	X	X	
37	AI_1B_TP65_0.1	Oct 25, 2021		Soil	S21-Oc57147	X				X	X	X	X	X	
38	AI_1B_TP65_0.5	Oct 25, 2021		Soil	S21-Oc57148					X	X	X	X	X	

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Project Name: WPCA BCC
Project ID: 0571466

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Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
39	AI_1B_TP57_0.1	Oct 25, 2021		Soil	S21-Oc57149	X				X	X	X	X	X	
40	AI_1B_TP57_0.5	Oct 25, 2021		Soil	S21-Oc57150					X	X	X	X	X	
41	AI_1B_TP59_0.1	Oct 25, 2021		Soil	S21-Oc57151	X				X	X	X	X	X	
42	AI_1B_TP59_0.5	Oct 25, 2021		Soil	S21-Oc57152					X	X	X	X	X	
43	AI_1B_TP60_0.1	Oct 25, 2021		Soil	S21-Oc57153	X				X	X	X	X	X	
44	AI_1B_TP60_0.5	Oct 25, 2021		Soil	S21-Oc57154					X	X	X	X	X	
45	AI_1B_TP61_	Oct 25, 2021		Soil	S21-Oc57155	X				X	X	X	X	X	

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Company Name:	ERM Sydney	**Order No.:**		**Received:**	Oct 26, 2021 4:08 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	835522	**Due:**	Nov 2, 2021
		Phone:	02 8584 8888	**Priority:**	5 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	WPCA BCC				
Project ID:	0571466				

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.1														
46	AI_1B_TP61_0.5	Oct 25, 2021		Soil	S21-Oc57156					X	X	X	X	X	
47	AI_1B_TP62_0.1	Oct 25, 2021		Soil	S21-Oc57157	X				X	X	X	X	X	
48	AI_1B_TP62_0.5	Oct 25, 2021		Soil	S21-Oc57158					X	X	X	X	X	
49	AI_1B_TP52_0.1	Oct 25, 2021		Soil	S21-Oc57159	X				X	X	X	X	X	
50	AI_1B_TP52_0.5	Oct 25, 2021		Soil	S21-Oc57160					X	X	X	X	X	
51	AI_1B_TP53_0.1	Oct 25, 2021		Soil	S21-Oc57161	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
52	AI_1B_20211025_D01	Oct 25, 2021		Soil	S21-Oc57162					X	X	X	X	X	
53	AI_1B_20211025_D02	Oct 25, 2021		Soil	S21-Oc57163					X	X	X	X	X	
54	AI_TS	Oct 25, 2021		Water	S21-Oc57164										X
55	AI_TB	Oct 25, 2021		Water	S21-Oc57165				X						
56	AI_1B_20211025_R01	Oct 25, 2021		Water	S21-Oc57166					X		X	X	X	
57	AI_1B_TP25_0.1	Oct 25, 2021		Water	S21-Oc62441			X							
58	AI_1B_TP27_0.1	Oct 25, 2021		Water	S21-Oc62442			X							

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
59	AI_1B_TP27_0.3	Oct 25, 2021		Water	S21-Oc62443			X							
60	AI_1B_TP38_0.1	Oct 25, 2021		Water	S21-Oc62444			X							
61	AI_1B_TP38_0.3	Oct 25, 2021		Water	S21-Oc62445			X							
62	AI_1B_TP53_0.5	Oct 25, 2021		Water	S21-Oc62446			X							
63	AI_1B_TP58_0.1	Oct 25, 2021		Water	S21-Oc62447			X							
64	AI_1B_TP58_0.5	Oct 25, 2021		Water	S21-Oc62448			X							
Test Counts						25	2	8	1	52	51	52	52	52	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. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. 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).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

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**).
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 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 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 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 visibly distinguish 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 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 degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
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)].
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 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure 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 the AS 4964-2004. May include (but 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

This report was revised V2 to include prefix "AI_" to all samples as requested.

Sample Integrity

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

Asbestos Counter/Identifier:

Laxman Dias	Senior Analyst-Asbestos (NSW)

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos (NSW)

Glenn Jackson
General Manager

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

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention: **Nicholas Grbich**

Report **835522-S-V2**
Project name WPCA BCC
Project ID 0571466
Received Date Oct 26, 2021

Client Sample ID			**AI_1B_TP54_0.1**	**AI_1B_TP54_0.5**	**AI_1B_TP51_0.1**	**AI_1B_TP51_0.5**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57111**	**S21-Oc57112**	**S21-Oc57113**	**S21-Oc57114**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	84	76	82	82
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			AI_1B_TP54_0.1	AI_1B_TP54_0.5	AI_1B_TP51_0.1	AI_1B_TP51_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57111	S21-Oc57112	S21-Oc57113	S21-Oc57114
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
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	%	84	76	82	82
Toluene-d8 (surr.)	1	%	90	82	99	86

Client Sample ID			AI_1B_TP54_0.1	AI_1B_TP54_0.5	AI_1B_TP51_0.1	AI_1B_TP51_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57111	S21-Oc57112	S21-Oc57113	S21-Oc57114
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
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	%	117	109	113	105
p-Terphenyl-d14 (surr.)	1	%	120	113	112	109
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	%	92	94	95	86
Tetrachloro-m-xylene (surr.)	1	%	93	94	93	92

Client Sample ID			AI_1B_TP54_0.1	AI_1B_TP54_0.5	AI_1B_TP51_0.1	AI_1B_TP51_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57111**	**S21-Oc57112**	**S21-Oc57113**	**S21-Oc57114**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	105	107	108	103
Semivolatile Organics						
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
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

Client Sample ID			AI_1B_TP54_0.1	AI_1B_TP54_0.5	AI_1B_TP51_0.1	AI_1B_TP51_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57111	S21-Oc57112	S21-Oc57113	S21-Oc57114
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	117	109	113	105
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	111	81	109	91
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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-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

Client Sample ID			AI_1B_TP54_0.1	AI_1B_TP54_0.5	AI_1B_TP51_0.1	AI_1B_TP51_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57111	S21-Oc57112	S21-Oc57113	S21-Oc57114
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	100	91	101	87
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	%	114	129	121	121
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

Client Sample ID			AI_1B_TP54_0.1	AI_1B_TP54_0.5	AI_1B_TP51_0.1	AI_1B_TP51_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57111**	**S21-Oc57112**	**S21-Oc57113**	**S21-Oc57114**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	16	15	12	9.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	36	31	30	26
Copper	5	mg/kg	17	28	19	12
Lead	5	mg/kg	30	22	30	18
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	14	9.2	11	< 5
Zinc	5	mg/kg	41	39	58	17
% Moisture	1	%	17	21	17	16
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	%	83	84	89	88
13C5-PFPeA (surr.)	1	%	103	106	113	111
13C5-PFHxA (surr.)	1	%	88	90	99	89
13C4-PFHpA (surr.)	1	%	87	88	99	88
13C8-PFOA (surr.)	1	%	90	86	98	88
13C5-PFNA (surr.)	1	%	90	84	95	88
13C6-PFDA (surr.)	1	%	92	85	99	88
13C2-PFUnDA (surr.)	1	%	84	84	80	88
13C2-PFDoDA (surr.)	1	%	108	83	109	92
13C2-PFTeDA (surr.)	1	%	101	88	103	94
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	%	80	86	82	88
D3-N-MeFOSA (surr.)	1	%	81	82	84	86
D5-N-EtFOSA (surr.)	1	%	86	89	90	90
D7-N-MeFOSE (surr.)	1	%	78	78	79	82
D9-N-EtFOSE (surr.)	1	%	80	82	84	89

Client Sample ID			AI_1B_TP54_0.1	AI_1B_TP54_0.5	AI_1B_TP51_0.1	AI_1B_TP51_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57111**	**S21-Oc57112**	**S21-Oc57113**	**S21-Oc57114**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	99	77	116	80
D3-N-MeFOSAA (surr.)	1	%	77	74	73	76
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	%	95	90	103	92
18O2-PFHxS (surr.)	1	%	93	87	101	87
13C8-PFOS (surr.)	1	%	94	89	100	89
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	%	98	85	107	87
13C2-6:2 FTSA (surr.)	1	%	94	77	101	77
13C2-8:2 FTSA (surr.)	1	%	112	94	125	94
13C2-10:2 FTSA (surr.)	1	%	100	82	98	81
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57115**	**S21-Oc57116**	**S21-Oc57117**	**S21-Oc57118**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57115**	**S21-Oc57116**	**S21-Oc57117**	**S21-Oc57118**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	93	87	84	90
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
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

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57115**	**S21-Oc57116**	**S21-Oc57117**	**S21-Oc57118**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	93	87	84	90
Toluene-d8 (surr.)	1	%	94	88	84	89
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	%	122	122	116	114
p-Terphenyl-d14 (surr.)	1	%	113	121	120	116

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57115	S21-Oc57116	S21-Oc57117	S21-Oc57118
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
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	%	69	96	99	84
Tetrachloro-m-xylene (surr.)	1	%	99	100	100	93
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

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57115**	**S21-Oc57116**	**S21-Oc57117**	**S21-Oc57118**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	93	114	115	96
Semivolatile Organics						
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
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	< 0.5
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	%	122	122	116	114
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	79	113	114	99
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57115	S21-Oc57116	S21-Oc57117	S21-Oc57118
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 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-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
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
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

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57115**	**S21-Oc57116**	**S21-Oc57117**	**S21-Oc57118**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	105	107	93	103
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	%	130	135	124	103
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
Heavy Metals						
Arsenic	2	mg/kg	8.1	14	13	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	25	25	45	33
Copper	5	mg/kg	19	26	21	17
Lead	5	mg/kg	20	20	25	20
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	11	22	5.7
Zinc	5	mg/kg	32	45	37	21
% Moisture	1	%	15	19	12	14
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	%	88	83	87	87

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57115	S21-Oc57116	S21-Oc57117	S21-Oc57118
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	111	104	104	112
13C5-PFHxA (surr.)	1	%	95	88	93	90
13C4-PFHpA (surr.)	1	%	93	82	90	85
13C8-PFOA (surr.)	1	%	93	83	91	91
13C5-PFNA (surr.)	1	%	95	83	93	85
13C6-PFDA (surr.)	1	%	93	82	97	89
13C2-PFUnDA (surr.)	1	%	100	87	99	89
13C2-PFDoDA (surr.)	1	%	111	89	110	92
13C2-PFTeDA (surr.)	1	%	101	89	106	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	%	85	82	87	89
D3-N-MeFOSA (surr.)	1	%	79	79	80	86
D5-N-EtFOSA (surr.)	1	%	86	87	86	93
D7-N-MeFOSE (surr.)	1	%	76	79	77	82
D9-N-EtFOSE (surr.)	1	%	81	82	83	85
D5-N-EtFOSAA (surr.)	1	%	122	52	120	74
D3-N-MeFOSAA (surr.)	1	%	95	47	102	69
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	%	98	90	97	100
18O2-PFHxS (surr.)	1	%	98	86	97	90
13C8-PFOS (surr.)	1	%	96	86	95	90
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	%	102	92	101	96
13C2-6:2 FTSA (surr.)	1	%	103	79	93	82

Client Sample ID			AI_1B_TP50_0.05	AI_1B_TP50_0.5	AI_1B_TP49_0.1	AI_1B_TP49_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57115**	**S21-Oc57116**	**S21-Oc57117**	**S21-Oc57118**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	145	95	124	106
13C2-10:2 FTSA (surr.)	1	%	146	77	123	82
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57119**	**S21-Oc57120**	**S21-Oc57121**	**S21-Oc57122**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	87	97	79	72
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

Client Sample ID			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57119	S21-Oc57120	S21-Oc57121	S21-Oc57122
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	87	97	79	72
Toluene-d8 (surr.)	1	%	89	96	89	77

Client Sample ID			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57119	S21-Oc57120	S21-Oc57121	S21-Oc57122
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
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	%	113	114	84	84
p-Terphenyl-d14 (surr.)	1	%	112	114	95	103
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	%	86	85	60	89
Tetrachloro-m-xylene (surr.)	1	%	93	94	87	88

Client Sample ID			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57119**	**S21-Oc57120**	**S21-Oc57121**	**S21-Oc57122**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	99	100	79	95
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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

Client Sample ID			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57119	S21-Oc57120	S21-Oc57121	S21-Oc57122
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	113	114	84	84
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	104	101	INT	97
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57119**	**S21-Oc57120**	**S21-Oc57121**	**S21-Oc57122**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	99	102	86	99
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	%	102	105	90	89
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

Client Sample ID			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57119**	**S21-Oc57120**	**S21-Oc57121**	**S21-Oc57122**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	13	11	< 2	8.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	38	23	53	28
Copper	5	mg/kg	19	20	50	14
Lead	5	mg/kg	26	18	< 5	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.9	< 5	110	5.4
Zinc	5	mg/kg	30	21	67	20
% Moisture	1	%	12	15	7.2	13
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	%	85	83	90	86
13C5-PFPeA (surr.)	1	%	108	103	116	112
13C5-PFHxA (surr.)	1	%	93	89	94	91
13C4-PFHpA (surr.)	1	%	97	86	84	87
13C8-PFOA (surr.)	1	%	94	87	95	90
13C5-PFNA (surr.)	1	%	95	82	94	87
13C6-PFDA (surr.)	1	%	98	84	93	85
13C2-PFUnDA (surr.)	1	%	95	82	94	94
13C2-PFDoDA (surr.)	1	%	107	90	94	96
13C2-PFTeDA (surr.)	1	%	103	90	100	105
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	%	82	76	93	88
D3-N-MeFOSA (surr.)	1	%	78	76	90	85
D5-N-EtFOSA (surr.)	1	%	81	84	98	90
D7-N-MeFOSE (surr.)	1	%	71	77	87	84
D9-N-EtFOSE (surr.)	1	%	78	80	93	83

Client Sample ID			AI_1B_TP48_0.1	AI_1B_TP48_0.5	AI_1B_TP47_0.1	AI_1B_TP47_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57119**	**S21-Oc57120**	**S21-Oc57121**	**S21-Oc57122**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	136	83	89	81
D3-N-MeFOSAA (surr.)	1	%	113	75	94	75
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	%	102	92	94	89
18O2-PFHxS (surr.)	1	%	101	88	94	85
13C8-PFOS (surr.)	1	%	95	86	93	91
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	%	115	94	89	87
13C2-6:2 FTSA (surr.)	1	%	119	78	85	75
13C2-8:2 FTSA (surr.)	1	%	185	92	111	95
13C2-10:2 FTSA (surr.)	1	%	186	85	93	84
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57123**	**S21-Oc57124**	**S21-Oc57125**	**S21-Oc57126**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	54	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	54	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57123**	**S21-Oc57124**	**S21-Oc57125**	**S21-Oc57126**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	78	73	73	73
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
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

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57123**	**S21-Oc57124**	**S21-Oc57125**	**S21-Oc57126**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	78	73	73	73
Toluene-d8 (surr.)	1	%	86	77	76	78
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	%	90	76	79	88
p-Terphenyl-d14 (surr.)	1	%	117	96	98	111

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57123**	**S21-Oc57124**	**S21-Oc57125**	**S21-Oc57126**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
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	%	101	78	91	101
Tetrachloro-m-xylene (surr.)	1	%	99	82	83	94
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

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57123**	**S21-Oc57124**	**S21-Oc57125**	**S21-Oc57126**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	110	88	99	109
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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	%	90	76	79	88
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	62	81	110	137
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57123	S21-Oc57124	S21-Oc57125	S21-Oc57126
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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
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
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

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57123**	**S21-Oc57124**	**S21-Oc57125**	**S21-Oc57126**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	96	88	94	103
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	%	89	76	77	89
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
Heavy Metals						
Arsenic	2	mg/kg	< 2	11	11	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	38	33	33
Copper	5	mg/kg	100	24	13	19
Lead	5	mg/kg	< 5	22	23	18
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	91	10	8.5	6.3
Zinc	5	mg/kg	75	43	29	28
% Moisture	1	%	10	21	13	17
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	%	99	95	97	97

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57123	S21-Oc57124	S21-Oc57125	S21-Oc57126
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	123	119	117	124
13C5-PFHxA (surr.)	1	%	101	99	102	100
13C4-PFHpA (surr.)	1	%	98	102	105	98
13C8-PFOA (surr.)	1	%	104	101	110	103
13C5-PFNA (surr.)	1	%	99	93	106	101
13C6-PFDA (surr.)	1	%	98	97	109	103
13C2-PFUnDA (surr.)	1	%	102	96	114	105
13C2-PFDoDA (surr.)	1	%	99	94	121	106
13C2-PFTeDA (surr.)	1	%	107	105	126	117
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	%	103	93	89	93
D3-N-MeFOSA (surr.)	1	%	97	92	83	96
D5-N-EtFOSA (surr.)	1	%	101	97	91	102
D7-N-MeFOSE (surr.)	1	%	96	87	81	89
D9-N-EtFOSE (surr.)	1	%	101	94	86	94
D5-N-EtFOSAA (surr.)	1	%	98	92	167	85
D3-N-MeFOSAA (surr.)	1	%	98	96	142	72
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	%	99	95	110	98
18O2-PFHxS (surr.)	1	%	102	99	113	104
13C8-PFOS (surr.)	1	%	96	98	112	101
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	%	98	93	138	105
13C2-6:2 FTSA (surr.)	1	%	94	90	147	105

Client Sample ID			AI_1B_TP42_0.1	AI_1B_TP42_0.3	AI_1B_TP43_0.1	AI_1B_TP43_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57123**	**S21-Oc57124**	**S21-Oc57125**	**S21-Oc57126**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	115	104	192	116
13C2-10:2 FTSA (surr.)	1	%	90	89	INT	100
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57127**	**S21-Oc57128**	**S21-Oc57129**	**S21-Oc57130**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	74	< 50	97	< 50
TRH C29-C36	50	mg/kg	63	< 50	110	< 50
TRH C10-C36 (Total)	50	mg/kg	137	< 50	207	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	170	< 100	220	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	170	< 100	220	< 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	%	74	68	55	59
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

Client Sample ID			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57127**	**S21-Oc57128**	**S21-Oc57129**	**S21-Oc57130**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	74	68	55	59
Toluene-d8 (surr.)	1	%	80	71	63	52

Client Sample ID			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57127**	**S21-Oc57128**	**S21-Oc57129**	**S21-Oc57130**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	95	99	94	117
p-Terphenyl-d14 (surr.)	1	%	111	116	113	143
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	%	115	111	115	138
Tetrachloro-m-xylene (surr.)	1	%	95	100	95	119

Client Sample ID			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57127**	**S21-Oc57128**	**S21-Oc57129**	**S21-Oc57130**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	120	117	121	145
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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

Client Sample ID			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57127	S21-Oc57128	S21-Oc57129	S21-Oc57130
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	95	99	94	117
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	INT	INT	141	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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57127**	**S21-Oc57128**	**S21-Oc57129**	**S21-Oc57130**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	107	111	106	134
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	%	91	99	84	110
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

Client Sample ID			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57127**	**S21-Oc57128**	**S21-Oc57129**	**S21-Oc57130**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.7	6.0	9.1	7.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	13	24	30	20
Copper	5	mg/kg	16	49	18	33
Lead	5	mg/kg	15	21	24	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.9	25	11	16
Zinc	5	mg/kg	44	120	58	65
% Moisture	1	%	11	11	13	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	%	96	100	99	97
13C5-PFPeA (surr.)	1	%	116	123	109	116
13C5-PFHxA (surr.)	1	%	105	105	106	96
13C4-PFHpA (surr.)	1	%	110	102	105	98
13C8-PFOA (surr.)	1	%	109	108	115	98
13C5-PFNA (surr.)	1	%	106	105	111	96
13C6-PFDA (surr.)	1	%	109	103	109	98
13C2-PFUnDA (surr.)	1	%	114	103	114	106
13C2-PFDoDA (surr.)	1	%	115	109	122	113
13C2-PFTeDA (surr.)	1	%	127	122	137	139
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	%	91	95	91	91
D3-N-MeFOSA (surr.)	1	%	83	94	82	91
D5-N-EtFOSA (surr.)	1	%	89	94	87	96
D7-N-MeFOSE (surr.)	1	%	76	91	85	91
D9-N-EtFOSE (surr.)	1	%	84	101	87	97

Client Sample ID			AI_1B_TP44_0.1	AI_1B_TP44_0.5	AI_1B_TP45_0.1	AI_1B_TP45_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57127**	**S21-Oc57128**	**S21-Oc57129**	**S21-Oc57130**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	160	104	172	102
D3-N-MeFOSAA (surr.)	1	%	143	103	157	93
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	%	115	109	113	100
18O2-PFHxS (surr.)	1	%	114	107	116	102
13C8-PFOS (surr.)	1	%	111	110	106	103
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	%	157	128	INT	101
13C2-6:2 FTSA (surr.)	1	%	197	101	INT	96
13C2-8:2 FTSA (surr.)	1	%	INT	132	INT	115
13C2-10:2 FTSA (surr.)	1	%	INT	107	INT	115
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57131**	**S21-Oc57132**	**S21-Oc57133**	**S21-Oc57134**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57131**	**S21-Oc57132**	**S21-Oc57133**	**S21-Oc57134**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	75	73	71	62
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
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

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57131**	**S21-Oc57132**	**S21-Oc57133**	**S21-Oc57134**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	75	73	71	62
Toluene-d8 (surr.)	1	%	83	78	81	57
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	%	101	95	96	102
p-Terphenyl-d14 (surr.)	1	%	119	114	116	122

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57131**	**S21-Oc57132**	**S21-Oc57133**	**S21-Oc57134**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
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	%	110	98	97	105
Tetrachloro-m-xylene (surr.)	1	%	102	99	98	104
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

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57131**	**S21-Oc57132**	**S21-Oc57133**	**S21-Oc57134**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	115	108	111	114
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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	%	101	95	96	102
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	121	147	107	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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57131	S21-Oc57132	S21-Oc57133	S21-Oc57134
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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
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
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

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57131**	**S21-Oc57132**	**S21-Oc57133**	**S21-Oc57134**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	114	107	109	114
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	%	90	80	79	81
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
Heavy Metals						
Arsenic	2	mg/kg	< 2	13	< 2	9.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	24	47	51	35
Copper	5	mg/kg	91	21	76	17
Lead	5	mg/kg	< 5	25	< 5	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	100	10.0	140	11
Zinc	5	mg/kg	68	37	79	24
% Moisture	1	%	8.3	15	7.9	24
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	%	100	102	99	99

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57131	S21-Oc57132	S21-Oc57133	S21-Oc57134
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	123	126	120	121
13C5-PFHxA (surr.)	1	%	102	103	96	101
13C4-PFHpA (surr.)	1	%	99	103	96	96
13C8-PFOA (surr.)	1	%	103	103	96	95
13C5-PFNA (surr.)	1	%	97	101	96	100
13C6-PFDA (surr.)	1	%	97	100	97	94
13C2-PFUnDA (surr.)	1	%	97	107	99	98
13C2-PFDoDA (surr.)	1	%	105	100	94	100
13C2-PFTeDA (surr.)	1	%	119	105	101	104
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	%	95	93	94	93
D3-N-MeFOSA (surr.)	1	%	94	98	89	96
D5-N-EtFOSA (surr.)	1	%	105	105	98	103
D7-N-MeFOSE (surr.)	1	%	97	92	93	93
D9-N-EtFOSE (surr.)	1	%	100	96	98	96
D5-N-EtFOSAA (surr.)	1	%	99	75	92	83
D3-N-MeFOSAA (surr.)	1	%	96	70	103	86
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	%	95	102	100	98
18O2-PFHxS (surr.)	1	%	98	109	94	100
13C8-PFOS (surr.)	1	%	96	102	100	101
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	%	97	96	91	96
13C2-6:2 FTSA (surr.)	1	%	86	100	88	90

Client Sample ID			AI_1B_TP37_0.1	AI_1B_TP37_0.3	AI_1B_TP31_0.1	AI_1B_TP31_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57131**	**S21-Oc57132**	**S21-Oc57133**	**S21-Oc57134**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	110	130	111	107
13C2-10:2 FTSA (surr.)	1	%	96	94	86	93
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	60	61	80	88
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

Client Sample ID			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	60	61	80	88
Toluene-d8 (surr.)	1	%	65	57	86	89

Client Sample ID			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	99	121	121	128
p-Terphenyl-d14 (surr.)	1	%	121	111	114	118
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	%	114	90	96	98
Tetrachloro-m-xylene (surr.)	1	%	102	94	95	98

Client Sample ID			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	117	102	108	108
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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

Client Sample ID			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	99	121	121	128
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	INT	103	114	120
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	113	103	103	108
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	%	75	102	96	106
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

Client Sample ID			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	12	6.9	6.8	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	38	28	14	19
Copper	5	mg/kg	15	15	13	20
Lead	5	mg/kg	23	15	22	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.9	6.6	11	9.3
Zinc	5	mg/kg	30	24	47	46
% Moisture	1	%	14	17	21	15
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	%	97	94	96	100
13C5-PFPeA (surr.)	1	%	118	119	121	128
13C5-PFHxA (surr.)	1	%	94	94	100	101
13C4-PFHpA (surr.)	1	%	94	90	99	94
13C8-PFOA (surr.)	1	%	99	93	98	100
13C5-PFNA (surr.)	1	%	94	88	99	93
13C6-PFDA (surr.)	1	%	94	91	98	97
13C2-PFUnDA (surr.)	1	%	102	91	93	96
13C2-PFDoDA (surr.)	1	%	110	92	106	103
13C2-PFTeDA (surr.)	1	%	110	88	108	104
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	%	84	84	88	88
D3-N-MeFOSA (surr.)	1	%	84	85	86	88
D5-N-EtFOSA (surr.)	1	%	88	89	93	96
D7-N-MeFOSE (surr.)	1	%	81	79	85	90
D9-N-EtFOSE (surr.)	1	%	83	84	87	91

Client Sample ID			AI_1B_TP32_0.1	AI_1B_TP32_0.4	AI_1B_TP63_0.1	AI_1B_TP63_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57135**	**S21-Oc57136**	**S21-Oc57139**	**S21-Oc57140**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	115	79	114	90
D3-N-MeFOSAA (surr.)	1	%	101	80	94	90
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	%	98	95	101	101
18O2-PFHxS (surr.)	1	%	100	95	97	97
13C8-PFOS (surr.)	1	%	97	95	97	94
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	%	97	92	104	100
13C2-6:2 FTSA (surr.)	1	%	86	89	89	93
13C2-8:2 FTSA (surr.)	1	%	113	98	117	113
13C2-10:2 FTSA (surr.)	1	%	112	79	105	90
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57141**	**S21-Oc57142**	**S21-Oc57143**	**S21-Oc57144**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	54	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	54	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57141**	**S21-Oc57142**	**S21-Oc57143**	**S21-Oc57144**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	65	69	70	84
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
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

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57141**	**S21-Oc57142**	**S21-Oc57143**	**S21-Oc57144**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	65	69	70	84
Toluene-d8 (surr.)	1	%	68	77	73	87
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	%	129	123	125	135
p-Terphenyl-d14 (surr.)	1	%	121	115	118	125

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57141**	**S21-Oc57142**	**S21-Oc57143**	**S21-Oc57144**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
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	%	111	100	104	108
Tetrachloro-m-xylene (surr.)	1	%	102	98	99	104
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

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57141**	**S21-Oc57142**	**S21-Oc57143**	**S21-Oc57144**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	115	110	113	120
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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	%	129	123	125	135
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	127	119	138	130
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57141	S21-Oc57142	S21-Oc57143	S21-Oc57144
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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
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
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

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57141**	**S21-Oc57142**	**S21-Oc57143**	**S21-Oc57144**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	111	104	106	115
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	%	101	105	105	114
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
Heavy Metals						
Arsenic	2	mg/kg	11	7.8	8.6	7.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	28	15	25	16
Copper	5	mg/kg	25	54	14	17
Lead	5	mg/kg	25	14	23	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	12	7.4	< 5
Zinc	5	mg/kg	63	77	24	27
% Moisture	1	%	19	16	18	20
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	%	103	83	81	83

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57141	S21-Oc57142	S21-Oc57143	S21-Oc57144
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	120	89	84	109
13C5-PFHxA (surr.)	1	%	106	86	89	91
13C4-PFHpA (surr.)	1	%	105	82	87	91
13C8-PFOA (surr.)	1	%	107	85	79	83
13C5-PFNA (surr.)	1	%	104	86	86	88
13C6-PFDA (surr.)	1	%	112	84	78	88
13C2-PFUnDA (surr.)	1	%	98	77	38	88
13C2-PFDoDA (surr.)	1	%	120	86	72	88
13C2-PFTeDA (surr.)	1	%	117	91	94	102
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	%	87	77	66	85
D3-N-MeFOSA (surr.)	1	%	89	97	84	97
D5-N-EtFOSA (surr.)	1	%	98	106	96	106
D7-N-MeFOSE (surr.)	1	%	87	86	68	77
D9-N-EtFOSE (surr.)	1	%	90	78	67	80
D5-N-EtFOSAA (surr.)	1	%	134	69	101	80
D3-N-MeFOSAA (surr.)	1	%	100	78	45	66
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	%	107	82	83	88
18O2-PFHxS (surr.)	1	%	110	93	83	97
13C8-PFOS (surr.)	1	%	108	83	88	86
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	%	119	71	75	72
13C2-6:2 FTSA (surr.)	1	%	113	76	66	71

Client Sample ID			AI_1B_TP55_0.1	AI_1B_TP55_0.5	AI_1B_TP56_0.1	AI_1B_TP56_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57141**	**S21-Oc57142**	**S21-Oc57143**	**S21-Oc57144**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	139	65	77	71
13C2-10:2 FTSA (surr.)	1	%	131	91	102	79
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57145**	**S21-Oc57146**	**S21-Oc57147**	**S21-Oc57148**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	70	83	90	83
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

Client Sample ID			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57145	S21-Oc57146	S21-Oc57147	S21-Oc57148
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	70	83	90	83
Toluene-d8 (surr.)	1	%	77	89	91	83

Client Sample ID			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57145**	**S21-Oc57146**	**S21-Oc57147**	**S21-Oc57148**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	121	134	134	124
p-Terphenyl-d14 (surr.)	1	%	114	146	144	134
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	%	101	99	108	95
Tetrachloro-m-xylene (surr.)	1	%	95	109	109	101

Client Sample ID			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57145**	**S21-Oc57146**	**S21-Oc57147**	**S21-Oc57148**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	112	119	122	109
Semivolatile Organics						
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
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	< 0.5	< 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

Client Sample ID			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57145	S21-Oc57146	S21-Oc57147	S21-Oc57148
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	121	134	134	124
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	131	107	97	99
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5
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-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

Client Sample ID			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57145	S21-Oc57146	S21-Oc57147	S21-Oc57148
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	102	123	122	113
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	%	100	141	138	129
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

Client Sample ID			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57145**	**S21-Oc57146**	**S21-Oc57147**	**S21-Oc57148**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	9.7	2.4	13	3.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	28	11	29	9.6
Copper	5	mg/kg	13	20	18	19
Lead	5	mg/kg	18	13	26	11
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.3	6.6	8.5	< 5
Zinc	5	mg/kg	23	33	29	23
% Moisture	1	%	18	16	13	18
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	%	85	82	84	81
13C5-PFPeA (surr.)	1	%	96	107	98	102
13C5-PFHxA (surr.)	1	%	89	89	87	84
13C4-PFHpA (surr.)	1	%	80	90	88	85
13C8-PFOA (surr.)	1	%	89	92	81	78
13C5-PFNA (surr.)	1	%	88	83	83	84
13C6-PFDA (surr.)	1	%	93	82	85	87
13C2-PFUnDA (surr.)	1	%	53	83	45	76
13C2-PFDoDA (surr.)	1	%	96	83	93	95
13C2-PFTeDA (surr.)	1	%	99	93	83	91
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	%	76	75	70	83
D3-N-MeFOSA (surr.)	1	%	93	105	87	97
D5-N-EtFOSA (surr.)	1	%	99	118	103	102
D7-N-MeFOSE (surr.)	1	%	71	83	74	80
D9-N-EtFOSE (surr.)	1	%	70	89	71	70

Client Sample ID			AI_1B_TP64_0.1	AI_1B_TP64_0.5	AI_1B_TP65_0.1	AI_1B_TP65_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57145**	**S21-Oc57146**	**S21-Oc57147**	**S21-Oc57148**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	114	71	91	90
D3-N-MeFOSAA (surr.)	1	%	61	80	66	61
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	%	92	91	89	83
18O2-PFHxS (surr.)	1	%	91	91	88	84
13C8-PFOS (surr.)	1	%	86	94	90	82
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	%	82	68	81	68
13C2-6:2 FTSA (surr.)	1	%	76	72	73	77
13C2-8:2 FTSA (surr.)	1	%	85	85	71	73
13C2-10:2 FTSA (surr.)	1	%	113	65	85	90
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57149**	**S21-Oc57150**	**S21-Oc57151**	**S21-Oc57152**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	54	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	54	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57149	S21-Oc57150	S21-Oc57151	S21-Oc57152
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	103	92	97	98
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
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

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57149**	**S21-Oc57150**	**S21-Oc57151**	**S21-Oc57152**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	103	92	97	98
Toluene-d8 (surr.)	1	%	105	86	100	99
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	%	132	137	123	122
p-Terphenyl-d14 (surr.)	1	%	143	143	130	124

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57149**	**S21-Oc57150**	**S21-Oc57151**	**S21-Oc57152**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
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	%	105	103	99	92
Tetrachloro-m-xylene (surr.)	1	%	108	109	99	97
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

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57149**	**S21-Oc57150**	**S21-Oc57151**	**S21-Oc57152**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	121	120	114	108
Semivolatile Organics						
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
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	%	132	137	123	122
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	99	99	112	104
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57149	S21-Oc57150	S21-Oc57151	S21-Oc57152
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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-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
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
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

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57149	S21-Oc57150	S21-Oc57151	S21-Oc57152
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	122	121	111	109
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	%	138	136	124	124
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
Heavy Metals						
Arsenic	2	mg/kg	10	3.0	16	4.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	30	11	36	17
Copper	5	mg/kg	17	14	19	38
Lead	5	mg/kg	21	9.1	24	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	10	< 5	7.6	8.9
Zinc	5	mg/kg	28	18	27	42
% Moisture	1	%	18	16	15	18
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	%	85	75	83	75

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57149	S21-Oc57150	S21-Oc57151	S21-Oc57152
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	104	89	93	93
13C5-PFHxA (surr.)	1	%	85	84	88	82
13C4-PFHpA (surr.)	1	%	85	85	87	84
13C8-PFOA (surr.)	1	%	88	83	85	83
13C5-PFNA (surr.)	1	%	87	86	87	83
13C6-PFDA (surr.)	1	%	81	84	79	76
13C2-PFUnDA (surr.)	1	%	65	71	38	72
13C2-PFDoDA (surr.)	1	%	85	86	79	79
13C2-PFTeDA (surr.)	1	%	98	88	99	81
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	%	77	72	75	78
D3-N-MeFOSA (surr.)	1	%	97	79	88	85
D5-N-EtFOSA (surr.)	1	%	97	100	90	105
D7-N-MeFOSE (surr.)	1	%	90	79	77	70
D9-N-EtFOSE (surr.)	1	%	67	74	69	70
D5-N-EtFOSAA (surr.)	1	%	113	68	90	81
D3-N-MeFOSAA (surr.)	1	%	82	60	49	72
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	%	88	85	91	83
18O2-PFHxS (surr.)	1	%	80	83	91	70
13C8-PFOS (surr.)	1	%	92	86	90	78
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	%	82	59	90	61
13C2-6:2 FTSA (surr.)	1	%	71	66	88	66

Client Sample ID			AI_1B_TP57_0.1	AI_1B_TP57_0.5	AI_1B_TP59_0.1	AI_1B_TP59_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57149**	**S21-Oc57150**	**S21-Oc57151**	**S21-Oc57152**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	84	76	85	72
13C2-10:2 FTSA (surr.)	1	%	120	84	159	92
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57153**	**S21-Oc57154**	**S21-Oc57155**	**S21-Oc57156**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	120	< 50	53	< 50
TRH C29-C36	50	mg/kg	130	< 50	77	< 50
TRH C10-C36 (Total)	50	mg/kg	250	< 50	130	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	210	< 100	110	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	210	< 100	110	< 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	90	89	89
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

Client Sample ID			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57153	S21-Oc57154	S21-Oc57155	S21-Oc57156
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	97	90	89	89
Toluene-d8 (surr.)	1	%	100	92	88	88

Client Sample ID			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57153	S21-Oc57154	S21-Oc57155	S21-Oc57156
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
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	%	129	124	133	133
p-Terphenyl-d14 (surr.)	1	%	127	129	139	137
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	%	80	90	110	102
Tetrachloro-m-xylene (surr.)	1	%	104	101	107	106

Client Sample ID			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57153**	**S21-Oc57154**	**S21-Oc57155**	**S21-Oc57156**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	99	111	124	120
Semivolatile Organics						
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
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

Client Sample ID			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57153	S21-Oc57154	S21-Oc57155	S21-Oc57156
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	129	124	133	133
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	112	87	113	104
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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-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

Client Sample ID			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57153	S21-Oc57154	S21-Oc57155	S21-Oc57156
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	113	110	117	115
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	%	130	124	132	134
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

Client Sample ID			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57153**	**S21-Oc57154**	**S21-Oc57155**	**S21-Oc57156**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	24	9.0	16	7.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	46	19	40	19
Copper	5	mg/kg	14	17	18	17
Lead	5	mg/kg	27	14	29	12
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.7	< 5	9.1	< 5
Zinc	5	mg/kg	38	16	36	17
% Moisture	1	%	12	18	24	18
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	%	84	79	83	83
13C5-PFPeA (surr.)	1	%	96	105	90	91
13C5-PFHxA (surr.)	1	%	96	86	88	87
13C4-PFHpA (surr.)	1	%	96	88	82	84
13C8-PFOA (surr.)	1	%	83	90	91	83
13C5-PFNA (surr.)	1	%	78	88	86	87
13C6-PFDA (surr.)	1	%	57	88	73	92
13C2-PFUnDA (surr.)	1	%	14	61	30	66
13C2-PFDoDA (surr.)	1	%	43	70	73	81
13C2-PFTeDA (surr.)	1	%	62	88	79	96
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	%	53	84	66	73
D3-N-MeFOSA (surr.)	1	%	80	90	91	89
D5-N-EtFOSA (surr.)	1	%	73	89	84	108
D7-N-MeFOSE (surr.)	1	%	50	72	66	80
D9-N-EtFOSE (surr.)	1	%	54	67	61	78

Client Sample ID			AI_1B_TP60_0.1	AI_1B_TP60_0.5	AI_1B_TP61_0.1	AI_1B_TP61_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57153**	**S21-Oc57154**	**S21-Oc57155**	**S21-Oc57156**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	29	70	74	48
D3-N-MeFOSAA (surr.)	1	%	13	53	38	51
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	%	97	85	89	85
18O2-PFHxS (surr.)	1	%	87	83	83	78
13C8-PFOS (surr.)	1	%	77	80	95	93
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	%	119	65	88	69
13C2-6:2 FTSA (surr.)	1	%	84	68	72	71
13C2-8:2 FTSA (surr.)	1	%	43	65	75	80
13C2-10:2 FTSA (surr.)	1	%	71	83	87	94
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57157**	**S21-Oc57158**	**S21-Oc57159**	**S21-Oc57160**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57157**	**S21-Oc57158**	**S21-Oc57159**	**S21-Oc57160**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	103	102	101	95
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
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

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57157**	**S21-Oc57158**	**S21-Oc57159**	**S21-Oc57160**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	103	102	101	95
Toluene-d8 (surr.)	1	%	108	104	109	99
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	%	123	143	144	112
p-Terphenyl-d14 (surr.)	1	%	129	148	133	107

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57157**	**S21-Oc57158**	**S21-Oc57159**	**S21-Oc57160**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
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	0.06	< 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	%	97	103	126	92
Tetrachloro-m-xylene (surr.)	1	%	99	114	114	90
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

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57157**	**S21-Oc57158**	**S21-Oc57159**	**S21-Oc57160**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	111	126	135	104
Semivolatile Organics						
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
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	%	123	143	144	112
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	108	120	148	111
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57157	S21-Oc57158	S21-Oc57159	S21-Oc57160
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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-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
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
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

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57157**	**S21-Oc57158**	**S21-Oc57159**	**S21-Oc57160**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	107	125	129	102
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	%	126	145	INT	116
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
Heavy Metals						
Arsenic	2	mg/kg	17	10	8.9	7.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	0.6
Chromium	5	mg/kg	41	24	22	18
Copper	5	mg/kg	13	19	11	14
Lead	5	mg/kg	27	16	16	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	0.1
Nickel	5	mg/kg	11	< 5	5.3	< 5
Zinc	5	mg/kg	32	23	15	16
% Moisture	1	%	18	22	8.6	24
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	%	81	77	79	74

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57157	S21-Oc57158	S21-Oc57159	S21-Oc57160
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	95	88	89	93
13C5-PFHxA (surr.)	1	%	86	84	85	78
13C4-PFHpA (surr.)	1	%	83	88	86	84
13C8-PFOA (surr.)	1	%	86	85	86	84
13C5-PFNA (surr.)	1	%	79	84	84	86
13C6-PFDA (surr.)	1	%	82	80	78	86
13C2-PFUnDA (surr.)	1	%	52	81	24	69
13C2-PFDoDA (surr.)	1	%	73	79	64	65
13C2-PFTeDA (surr.)	1	%	78	83	82	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	%	73	72	66	77
D3-N-MeFOSA (surr.)	1	%	87	85	85	101
D5-N-EtFOSA (surr.)	1	%	93	97	79	103
D7-N-MeFOSE (surr.)	1	%	68	80	63	77
D9-N-EtFOSE (surr.)	1	%	67	77	70	71
D5-N-EtFOSAA (surr.)	1	%	90	87	58	66
D3-N-MeFOSAA (surr.)	1	%	46	74	28	64
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	%	89	85	85	79
18O2-PFHxS (surr.)	1	%	89	90	85	91
13C8-PFOS (surr.)	1	%	87	87	79	77
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	62	90	58
13C2-6:2 FTSA (surr.)	1	%	66	72	79	66

Client Sample ID			AI_1B_TP62_0.1	AI_1B_TP62_0.5	AI_1B_TP52_0.1	AI_1B_TP52_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57157**	**S21-Oc57158**	**S21-Oc57159**	**S21-Oc57160**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	62	71	69	71
13C2-10:2 FTSA (surr.)	1	%	104	78	112	80
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57161**	**S21-Oc57162**	**S21-Oc57163**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5
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
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	%	74	94	84
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

Client Sample ID			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57161	S21-Oc57162	S21-Oc57163
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Volatile Organics					
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
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	%	74	94	84
Toluene-d8 (surr.)	1	%	72	98	87

Client Sample ID			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57161**	**S21-Oc57162**	**S21-Oc57163**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	135	133	108
p-Terphenyl-d14 (surr.)	1	%	141	135	106
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	%	102	106	95
Tetrachloro-m-xylene (surr.)	1	%	109	106	90

Client Sample ID			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57161**	**S21-Oc57162**	**S21-Oc57163**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
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	%	118	121	103
Semivolatile Organics					
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
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	< 1	< 1	< 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

Client Sample ID			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc57161	S21-Oc57162	S21-Oc57163
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Semivolatile Organics					
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	%	135	133	108
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	%	105	101	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
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-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 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-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

Client Sample ID			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57161**	**S21-Oc57162**	**S21-Oc57163**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit			
Semivolatile Organics					
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	%	119	116	98
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	%	136	135	95
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			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57161**	**S21-Oc57162**	**S21-Oc57163**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit			
Heavy Metals					
Arsenic	2	mg/kg	12	13	< 2
Cadmium	0.4	mg/kg	0.4	0.5	< 0.4
Chromium	5	mg/kg	29	32	36
Copper	5	mg/kg	15	15	58
Lead	5	mg/kg	23	21	< 5
Mercury	0.1	mg/kg	0.1	0.1	< 0.1
Nickel	5	mg/kg	7.2	5.6	96
Zinc	5	mg/kg	20	23	60
% Moisture	1	%	18	17	11
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	%	79	82	81
13C5-PFPeA (surr.)	1	%	94	89	98
13C5-PFHxA (surr.)	1	%	85	88	86
13C4-PFHpA (surr.)	1	%	84	83	86
13C8-PFOA (surr.)	1	%	81	84	81
13C5-PFNA (surr.)	1	%	92	91	87
13C6-PFDA (surr.)	1	%	92	84	70
13C2-PFUnDA (surr.)	1	%	70	40	72
13C2-PFDoDA (surr.)	1	%	88	72	78
13C2-PFTeDA (surr.)	1	%	82	94	95
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	%	78	72	77
D3-N-MeFOSA (surr.)	1	%	86	86	104
D5-N-EtFOSA (surr.)	1	%	96	92	102
D7-N-MeFOSE (surr.)	1	%	74	67	69
D9-N-EtFOSE (surr.)	1	%	66	74	76

Client Sample ID			AI_1B_TP53_0.1	AI_1B_20211025_D01	AI_1B_20211025_D02
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc57161**	**S21-Oc57162**	**S21-Oc57163**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit			
Perfluoroalkyl sulfonamido substances					
D5-N-EtFOSAA (surr.)	1	%	100	78	76
D3-N-MeFOSAA (surr.)	1	%	54	41	76
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	%	84	89	81
18O2-PFHxS (surr.)	1	%	80	81	93
13C8-PFOS (surr.)	1	%	89	78	97
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	%	75	84	75
13C2-6:2 FTSA (surr.)	1	%	78	81	54
13C2-8:2 FTSA (surr.)	1	%	91	76	75
13C2-10:2 FTSA (surr.)	1	%	101	126	76
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

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 02, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 02, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 02, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Nov 02, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Nov 02, 2021	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Nov 02, 2021	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Nov 02, 2021	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Metals M8	Sydney	Nov 02, 2021	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Nov 02, 2021	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Nov 02, 2021	14 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
% Moisture	Sydney	Oct 27, 2021	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Nov 02, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Nov 02, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Nov 02, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Nov 02, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Oct 27, 2021	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
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NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	AI_1B_TP54_0.1	Oct 25, 2021		Soil	S21-Oc57111	X				X	X	X	X	X	
2	AI_1B_TP54_0.5	Oct 25, 2021		Soil	S21-Oc57112					X	X	X	X	X	
3	AI_1B_TP51_0.1	Oct 25, 2021		Soil	S21-Oc57113	X				X	X	X	X	X	
4	AI_1B_TP51_0.5	Oct 25, 2021		Soil	S21-Oc57114					X	X	X	X	X	
5	AI_1B_TP50_0.05	Oct 25, 2021		Soil	S21-Oc57115	X				X	X	X	X	X	
6	AI_1B_TP50_	Oct 25, 2021		Soil	S21-Oc57116					X	X	X	X	X	

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Company Name:	ERM Sydney	**Order No.:**		**Received:**	Oct 26, 2021 4:08 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	835522	**Due:**	Nov 2, 2021
		Phone:	02 8584 8888	**Priority:**	5 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	WPCA BCC				
Project ID:	0571466				

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
7	AI_1B_TP49_0.1	Oct 25, 2021		Soil	S21-Oc57117	X				X	X	X	X	X	
8	AI_1B_TP49_0.5	Oct 25, 2021		Soil	S21-Oc57118					X	X	X	X	X	
9	AI_1B_TP48_0.1	Oct 25, 2021		Soil	S21-Oc57119	X				X	X	X	X	X	
10	AI_1B_TP48_0.5	Oct 25, 2021		Soil	S21-Oc57120					X	X	X	X	X	
11	AI_1B_TP47_0.1	Oct 25, 2021		Soil	S21-Oc57121	X				X	X	X	X	X	
12	AI_1B_TP47_0.4	Oct 25, 2021		Soil	S21-Oc57122					X	X	X	X	X	

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Company Name: ERM Sydney
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Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
13	AI_1B_TP42_0.1	Oct 25, 2021		Soil	S21-Oc57123	X				X	X	X	X	X	
14	AI_1B_TP42_0.3	Oct 25, 2021		Soil	S21-Oc57124					X	X	X	X	X	
15	AI_1B_TP43_0.1	Oct 25, 2021		Soil	S21-Oc57125	X				X	X	X	X	X	
16	AI_1B_TP43_0.4	Oct 25, 2021		Soil	S21-Oc57126					X	X	X	X	X	
17	AI_1B_TP44_0.1	Oct 25, 2021		Soil	S21-Oc57127	X				X	X	X	X	X	
18	AI_1B_TP44_0.5	Oct 25, 2021		Soil	S21-Oc57128					X	X	X	X	X	
19	AI_1B_TP45_	Oct 25, 2021		Soil	S21-Oc57129	X				X	X	X	X	X	

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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
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Project Name: WPCA BCC
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Order No.:
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Phone: 02 8584 8888
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Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.1														
20	AI_1B_TP45_0.4	Oct 25, 2021		Soil	S21-Oc57130					X	X	X	X	X	
21	AI_1B_TP37_0.1	Oct 25, 2021		Soil	S21-Oc57131	X				X	X	X	X	X	
22	AI_1B_TP37_0.3	Oct 25, 2021		Soil	S21-Oc57132					X	X	X	X	X	
23	AI_1B_TP31_0.1	Oct 25, 2021		Soil	S21-Oc57133	X				X	X	X	X	X	
24	AI_1B_TP31_0.4	Oct 25, 2021		Soil	S21-Oc57134					X	X	X	X	X	
25	AI_1B_TP32_0.1	Oct 25, 2021		Soil	S21-Oc57135	X				X	X	X	X	X	

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Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
26	AI_1B_TP32_0.4	Oct 25, 2021		Soil	S21-Oc57136					X	X	X	X	X	
27	AI_1B_TP25_0.1	Oct 25, 2021		Soil	S21-Oc57137		X								
28	AI_1B_TP25_0.3	Oct 25, 2021		Soil	S21-Oc57138		X								
29	AI_1B_TP63_0.1	Oct 25, 2021		Soil	S21-Oc57139	X				X	X	X	X	X	
30	AI_1B_TP63_0.5	Oct 25, 2021		Soil	S21-Oc57140					X	X	X	X	X	
31	AI_1B_TP55_0.1	Oct 25, 2021		Soil	S21-Oc57141	X				X	X	X	X	X	
32	AI_1B_TP55_	Oct 25, 2021		Soil	S21-Oc57142					X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
33	AI_1B_TP56_0.1	Oct 25, 2021		Soil	S21-Oc57143	X				X	X	X	X	X	
34	AI_1B_TP56_0.5	Oct 25, 2021		Soil	S21-Oc57144					X	X	X	X	X	
35	AI_1B_TP64_0.1	Oct 25, 2021		Soil	S21-Oc57145	X				X	X	X	X	X	
36	AI_1B_TP64_0.5	Oct 25, 2021		Soil	S21-Oc57146					X	X	X	X	X	
37	AI_1B_TP65_0.1	Oct 25, 2021		Soil	S21-Oc57147	X				X	X	X	X	X	
38	AI_1B_TP65_0.5	Oct 25, 2021		Soil	S21-Oc57148					X	X	X	X	X	

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Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
39	AI_1B_TP57_0.1	Oct 25, 2021		Soil	S21-Oc57149	X				X	X	X	X	X	
40	AI_1B_TP57_0.5	Oct 25, 2021		Soil	S21-Oc57150					X	X	X	X	X	
41	AI_1B_TP59_0.1	Oct 25, 2021		Soil	S21-Oc57151	X				X	X	X	X	X	
42	AI_1B_TP59_0.5	Oct 25, 2021		Soil	S21-Oc57152					X	X	X	X	X	
43	AI_1B_TP60_0.1	Oct 25, 2021		Soil	S21-Oc57153	X				X	X	X	X	X	
44	AI_1B_TP60_0.5	Oct 25, 2021		Soil	S21-Oc57154					X	X	X	X	X	
45	AI_1B_TP61_	Oct 25, 2021		Soil	S21-Oc57155	X				X	X	X	X	X	

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NATA # 1261 Site # 18217

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Company Name:	ERM Sydney	**Order No.:**		**Received:**	Oct 26, 2021 4:08 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	835522	**Due:**	Nov 2, 2021
		Phone:	02 8584 8888	**Priority:**	5 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	WPCA BCC				
Project ID:	0571466				

Eurofins Analytical Services Manager : John Nguyen

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.1														
46	AI_1B_TP61_0.5	Oct 25, 2021		Soil	S21-Oc57156					X	X	X	X	X	
47	AI_1B_TP62_0.1	Oct 25, 2021		Soil	S21-Oc57157	X				X	X	X	X	X	
48	AI_1B_TP62_0.5	Oct 25, 2021		Soil	S21-Oc57158					X	X	X	X	X	
49	AI_1B_TP52_0.1	Oct 25, 2021		Soil	S21-Oc57159	X				X	X	X	X	X	
50	AI_1B_TP52_0.5	Oct 25, 2021		Soil	S21-Oc57160					X	X	X	X	X	
51	AI_1B_TP53_0.1	Oct 25, 2021		Soil	S21-Oc57161	X				X	X	X	X	X	

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Contact Name: Nicholas Grbich

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
52	AI_1B_20211025_D01	Oct 25, 2021		Soil	S21-Oc57162					X	X	X	X	X	
53	AI_1B_20211025_D02	Oct 25, 2021		Soil	S21-Oc57163					X	X	X	X	X	
54	AI_TS	Oct 25, 2021		Water	S21-Oc57164										X
55	AI_TB	Oct 25, 2021		Water	S21-Oc57165				X						
56	AI_1B_20211025_R01	Oct 25, 2021		Water	S21-Oc57166					X		X	X	X	
57	AI_1B_TP25_0.1	Oct 25, 2021		Water	S21-Oc62441			X							
58	AI_1B_TP27_0.1	Oct 25, 2021		Water	S21-Oc62442			X							

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
59	AI_1B_TP27_0.3	Oct 25, 2021		Water	S21-Oc62443			X							
60	AI_1B_TP38_0.1	Oct 25, 2021		Water	S21-Oc62444			X							
61	AI_1B_TP38_0.3	Oct 25, 2021		Water	S21-Oc62445			X							
62	AI_1B_TP53_0.5	Oct 25, 2021		Water	S21-Oc62446			X							
63	AI_1B_TP58_0.1	Oct 25, 2021		Water	S21-Oc62447			X							
64	AI_1B_TP58_0.5	Oct 25, 2021		Water	S21-Oc62448			X							
Test Counts						25	2	8	1	52	51	52	52	52	1

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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QC Data General Comments

1. Where a result is reported as a 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 is 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	
Naphthalene	mg/kg	< 0.5			0.5	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	
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	
Benzene	mg/kg	< 0.1			0.1	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	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	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	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-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	89			70-130	Pass	
TRH C10-C14	%	92			70-130	Pass	
Naphthalene	%	97			70-130	Pass	
TRH C6-C10	%	92			70-130	Pass	
TRH >C10-C16	%	89			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	118			70-130	Pass	
Toluene	%	110			70-130	Pass	
Ethylbenzene	%	104			70-130	Pass	
m&p-Xylenes	%	111			70-130	Pass	
o-Xylene	%	109			70-130	Pass	
Xylenes - Total*	%	110			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	116			70-130	Pass	
1.1.1-Trichloroethane	%	101			70-130	Pass	
1.2-Dichlorobenzene	%	114			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.2-Dichloroethane	%	117			70-130	Pass	
Benzene	%	115			70-130	Pass	
Ethylbenzene	%	114			70-130	Pass	
m&p-Xylenes	%	116			70-130	Pass	
o-Xylene	%	119			70-130	Pass	
Toluene	%	126			70-130	Pass	
Trichloroethene	%	126			70-130	Pass	
Xylenes - Total*	%	117			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	116			70-130	Pass	
Acenaphthylene	%	88			70-130	Pass	
Anthracene	%	93			70-130	Pass	
Benz(a)anthracene	%	85			70-130	Pass	
Benzo(a)pyrene	%	90			70-130	Pass	
Benzo(b&j)fluoranthene	%	83			70-130	Pass	
Benzo(g.h.i)perylene	%	94			70-130	Pass	
Benzo(k)fluoranthene	%	98			70-130	Pass	
Chrysene	%	89			70-130	Pass	
Dibenz(a.h)anthracene	%	94			70-130	Pass	
Fluoranthene	%	88			70-130	Pass	
Fluorene	%	93			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	92			70-130	Pass	
Naphthalene	%	88			70-130	Pass	
Phenanthrene	%	87			70-130	Pass	
Pyrene	%	110			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	87			70-130	Pass	
4.4'-DDD	%	89			70-130	Pass	
4.4'-DDE	%	87			70-130	Pass	
4.4'-DDT	%	104			70-130	Pass	
a-HCH	%	81			70-130	Pass	
Aldrin	%	84			70-130	Pass	
b-HCH	%	92			70-130	Pass	
d-HCH	%	80			70-130	Pass	
Dieldrin	%	86			70-130	Pass	
Endosulfan I	%	84			70-130	Pass	
Endosulfan II	%	82			70-130	Pass	
Endosulfan sulphate	%	72			70-130	Pass	
Endrin	%	100			70-130	Pass	
Endrin aldehyde	%	76			70-130	Pass	
Endrin ketone	%	87			70-130	Pass	
g-HCH (Lindane)	%	90			70-130	Pass	
Heptachlor	%	120			70-130	Pass	
Heptachlor epoxide	%	90			70-130	Pass	
Hexachlorobenzene	%	85			70-130	Pass	
Methoxychlor	%	102			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	91			70-130	Pass	
Dimethoate	%	105			70-130	Pass	
Ethion	%	126			70-130	Pass	
Fenitrothion	%	129			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Methyl parathion	%	115			70-130	Pass	
Mevinphos	%	89			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	106			25-140	Pass	
1.2.4-Trichlorobenzene	%	110			70-130	Pass	
1.4-Dichlorobenzene	%	113			70-130	Pass	
2-Chlorophenol	%	95			25-140	Pass	
2-Methylphenol (o-Cresol)	%	102			25-140	Pass	
2-Nitrophenol	%	112			25-140	Pass	
2.4-Dichlorophenol	%	92			25-140	Pass	
2.4-Dimethylphenol	%	90			25-140	Pass	
2.4-Dinitrophenol	%	74			25-140	Pass	
2.4-Dinitrotoluene	%	119			70-130	Pass	
2.4.5-Trichlorophenol	%	72			25-140	Pass	
2.4.6-Trichlorophenol	%	80			25-140	Pass	
2.6-Dichlorophenol	%	92			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	105			25-140	Pass	
4-Chloro-3-methylphenol	%	108			25-140	Pass	
4-Nitrophenol	%	102			25-140	Pass	
Acenaphthene	%	122			70-130	Pass	
N-Nitrosodipropylamine	%	110			70-130	Pass	
Pentachlorophenol	%	72			25-140	Pass	
Phenol	%	100			25-140	Pass	
Pyrene	%	113			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	90			80-120	Pass	
Cadmium	%	97			80-120	Pass	
Chromium	%	93			80-120	Pass	
Copper	%	90			80-120	Pass	
Lead	%	91			80-120	Pass	
Mercury	%	106			80-120	Pass	
Nickel	%	91			80-120	Pass	
Zinc	%	92			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	111			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	105			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	99			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	96			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	115			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	101			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	105			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	129			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	103			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	115			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	113			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	111			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	121			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	115			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	%	101			50-150	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)			%	118			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)			%	113			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)			%	129			50-150	Pass	
LCS - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)									
Perfluorobutanesulfonic acid (PFBS)			%	98			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)			%	105			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)			%	114			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)			%	117			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)			%	109			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)			%	83			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)			%	101			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)			%	97			50-150	Pass	
LCS - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)									
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)			%	100			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)			%	108			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)			%	120			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)			%	115			50-150	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S21-Oc57804	NCP	%	80			70-130	Pass	
Naphthalene	S21-Oc57111	CP	%	79			70-130	Pass	
TRH C6-C10	S21-Oc57804	NCP	%	77			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc57111	CP	%	83			70-130	Pass	
Toluene	S21-Oc57111	CP	%	107			70-130	Pass	
Ethylbenzene	S21-Oc57111	CP	%	86			70-130	Pass	
m&p-Xylenes	S21-Oc57111	CP	%	85			70-130	Pass	
o-Xylene	S21-Oc57111	CP	%	88			70-130	Pass	
Xylenes - Total*	S21-Oc57111	CP	%	86			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	S21-Oc53378	NCP	%	85			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S21-Oc57112	CP	%	92			70-130	Pass	
TRH >C10-C16	S21-Oc57112	CP	%	89			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S21-Oc57112	CP	%	107			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc57112	CP	%	112			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc57112	CP	%	119			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc57112	CP	%	108			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc57112	CP	%	115			50-150	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc57112	CP	%	109			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc57112	CP	%	109			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc57112	CP	%	116			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc57112	CP	%	113			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc57112	CP	%	118			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc57112	CP	%	112			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S21-Oc57112	CP	%	111			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc57112	CP	%	111			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc57112	CP	%	113			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc57112	CP	%	106			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc57112	CP	%	106			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc57112	CP	%	106			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc57112	CP	%	111			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S21-Oc57112	CP	%	91			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc57112	CP	%	116			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc57112	CP	%	105			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc57112	CP	%	93			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc57112	CP	%	99			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc57112	CP	%	104			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc57112	CP	%	111			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc57112	CP	%	101			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S21-Oc57112	CP	%	99			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc57112	CP	%	102			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc57112	CP	%	107			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc57112	CP	%	103			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S21-Oc57117	CP	%	109			75-125	Pass	
Cadmium	S21-Oc57117	CP	%	107			75-125	Pass	
Chromium	S21-Oc57117	CP	%	99			75-125	Pass	
Copper	S21-Oc57117	CP	%	95			75-125	Pass	
Lead	S21-Oc57117	CP	%	101			75-125	Pass	
Mercury	S21-Oc57117	CP	%	98			75-125	Pass	
Nickel	S21-Oc57117	CP	%	89			75-125	Pass	
Zinc	S21-Oc57117	CP	%	92			75-125	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S21-Oc57119	CP	%	85			70-130	Pass	
Acenaphthylene	S21-Oc57119	CP	%	82			70-130	Pass	
Anthracene	S21-Oc57119	CP	%	88			70-130	Pass	
Benz(a)anthracene	S21-Oc57119	CP	%	81			70-130	Pass	
Benzo(a)pyrene	S21-Oc57119	CP	%	86			70-130	Pass	
Benzo(b&j)fluoranthene	S21-Oc57119	CP	%	81			70-130	Pass	
Benzo(g.h.i)perylene	S21-Oc57119	CP	%	75			70-130	Pass	
Benzo(k)fluoranthene	S21-Oc57119	CP	%	92			70-130	Pass	
Chrysene	S21-Oc57119	CP	%	85			70-130	Pass	
Dibenz(a.h)anthracene	S21-Oc57119	CP	%	80			70-130	Pass	
Fluoranthene	S21-Oc57119	CP	%	82			70-130	Pass	
Fluorene	S21-Oc57119	CP	%	87			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57119	CP	%	79			70-130	Pass	
Naphthalene	S21-Oc57119	CP	%	81			70-130	Pass	
Phenanthrene	S21-Oc57119	CP	%	82			70-130	Pass	
Pyrene	S21-Oc57119	CP	%	84			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S21-Oc57119	CP	%	77			70-130	Pass	
4.4'-DDD	S21-Oc57119	CP	%	81			70-130	Pass	
4.4'-DDE	S21-Oc57119	CP	%	79			70-130	Pass	
4.4'-DDT	S21-Oc57119	CP	%	107			70-130	Pass	
a-HCH	S21-Oc57119	CP	%	73			70-130	Pass	
Aldrin	S21-Oc57119	CP	%	76			70-130	Pass	
b-HCH	S21-Oc57119	CP	%	83			70-130	Pass	
d-HCH	S21-Oc57119	CP	%	74			70-130	Pass	
Dieldrin	S21-Oc57119	CP	%	77			70-130	Pass	
Endosulfan I	S21-Oc57119	CP	%	75			70-130	Pass	
Endosulfan II	S21-Oc57119	CP	%	76			70-130	Pass	
Endrin	S21-Oc57119	CP	%	106			70-130	Pass	
Endrin ketone	S21-Oc57119	CP	%	75			70-130	Pass	
g-HCH (Lindane)	S21-Oc57119	CP	%	78			70-130	Pass	
Heptachlor	S21-Oc57119	CP	%	128			70-130	Pass	
Heptachlor epoxide	S21-Oc57119	CP	%	77			70-130	Pass	
Hexachlorobenzene	S21-Oc57119	CP	%	75			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S21-Oc57119	CP	%	77			70-130	Pass	
Dimethoate	S21-Oc57119	CP	%	89			70-130	Pass	
Ethion	S21-Oc57119	CP	%	124			70-130	Pass	
Fenitrothion	S21-Oc57119	CP	%	121			70-130	Pass	
Mevinphos	S21-Oc57119	CP	%	84			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S21-Oc57122	CP	%	77			70-130	Pass	
TRH >C10-C16	S21-Oc57122	CP	%	75			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
Naphthalene	S21-Oc57132	CP	%	91			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc57132	CP	%	112			70-130	Pass	
Toluene	S21-Oc57132	CP	%	104			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Ethylbenzene	S21-Oc57132	CP	%	97			70-130	Pass	
m&p-Xylenes	S21-Oc57132	CP	%	102			70-130	Pass	
o-Xylene	S21-Oc57132	CP	%	100			70-130	Pass	
Xylenes - Total*	S21-Oc57132	CP	%	101			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1.1-Trichloroethane	S21-Oc57132	CP	%	91			70-130	Pass	
1.2-Dichlorobenzene	S21-Oc57132	CP	%	96			70-130	Pass	
1.2-Dichloroethane	S21-Oc57132	CP	%	112			70-130	Pass	
Trichloroethene	S21-Oc57132	CP	%	97			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S21-Oc57139	CP	%	110			75-125	Pass	
Cadmium	S21-Oc57139	CP	%	107			75-125	Pass	
Chromium	S21-Oc57139	CP	%	118			75-125	Pass	
Copper	S21-Oc57139	CP	%	103			75-125	Pass	
Lead	S21-Oc57139	CP	%	106			75-125	Pass	
Mercury	S21-Oc57139	CP	%	118			75-125	Pass	
Nickel	S21-Oc57139	CP	%	106			75-125	Pass	
Zinc	S21-Oc57139	CP	%	103			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S21-Oc57144	CP	%	90			70-130	Pass	
TRH >C10-C16	S21-Oc57144	CP	%	87			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S21-Oc57144	CP	%	112			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc57144	CP	%	112			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc57144	CP	%	98			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc57144	CP	%	98			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc57144	CP	%	105			50-150	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc57144	CP	%	107			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc57144	CP	%	119			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc57144	CP	%	121			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc57144	CP	%	109			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc57144	CP	%	126			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc57144	CP	%	101			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S21-Oc57144	CP	%	106			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc57144	CP	%	136			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc57144	CP	%	86			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc57144	CP	%	105			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc57144	CP	%	122			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc57144	CP	%	120			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc57144	CP	%	138			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S21-Oc57144	CP	%	101			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc57144	CP	%	102			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc57144	CP	%	121			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc57144	CP	%	120			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc57144	CP	%	98			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc57144	CP	%	91			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc57144	CP	%	93			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc57144	CP	%	99			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S21-Oc57144	CP	%	102			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc57144	CP	%	108			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc57144	CP	%	127			50-150	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S21-Oc57154	CP	%	75			70-130	Pass	
Naphthalene	S21-Oc57154	CP	%	82			70-130	Pass	
TRH >C10-C16	S21-Oc57154	CP	%	76			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc57154	CP	%	75			70-130	Pass	
Toluene	S21-Oc57154	CP	%	88			70-130	Pass	
Ethylbenzene	S21-Oc57154	CP	%	86			70-130	Pass	
m&p-Xylenes	S21-Oc57154	CP	%	88			70-130	Pass	
o-Xylene	S21-Oc57154	CP	%	93			70-130	Pass	
Xylenes - Total*	S21-Oc57154	CP	%	90			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S21-Oc57161	CP	%	97			70-130	Pass	
Acenaphthylene	S21-Oc57161	CP	%	97			70-130	Pass	
Anthracene	S21-Oc57161	CP	%	76			70-130	Pass	
Benz(a)anthracene	S21-Oc57161	CP	%	94			70-130	Pass	
Benzo(a)pyrene	S21-Oc57161	CP	%	94			70-130	Pass	
Benzo(b&j)fluoranthene	S21-Oc57161	CP	%	93			70-130	Pass	
Benzo(g.h.i)perylene	S21-Oc57161	CP	%	102			70-130	Pass	
Benzo(k)fluoranthene	S21-Oc57161	CP	%	104			70-130	Pass	
Chrysene	S21-Oc57161	CP	%	99			70-130	Pass	
Dibenz(a.h)anthracene	S21-Oc57161	CP	%	110			70-130	Pass	
Fluoranthene	S21-Oc57161	CP	%	105			70-130	Pass	
Fluorene	S21-Oc57161	CP	%	106			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57161	CP	%	111			70-130	Pass	
Naphthalene	S21-Oc57161	CP	%	94			70-130	Pass	
Phenanthrene	S21-Oc57161	CP	%	109			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Pyrene	S21-Oc57161	CP	%	104			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S21-Oc57161	CP	%	89			70-130	Pass	
4.4'-DDD	S21-Oc57161	CP	%	97			70-130	Pass	
4.4'-DDE	S21-Oc57161	CP	%	91			70-130	Pass	
4.4'-DDT	S21-Oc57161	CP	%	110			70-130	Pass	
a-HCH	S21-Oc57161	CP	%	85			70-130	Pass	
Aldrin	S21-Oc57161	CP	%	88			70-130	Pass	
b-HCH	S21-Oc57161	CP	%	96			70-130	Pass	
d-HCH	S21-Oc57161	CP	%	81			70-130	Pass	
Dieldrin	S21-Oc57161	CP	%	87			70-130	Pass	
Endosulfan I	S21-Oc57161	CP	%	85			70-130	Pass	
Endosulfan II	S21-Oc57161	CP	%	82			70-130	Pass	
Endosulfan sulphate	S21-Oc57161	CP	%	89			70-130	Pass	
Endrin	S21-Oc57161	CP	%	118			70-130	Pass	
Endrin ketone	S21-Oc57161	CP	%	85			70-130	Pass	
g-HCH (Lindane)	S21-Oc57161	CP	%	89			70-130	Pass	
Heptachlor	S21-Oc57161	CP	%	105			70-130	Pass	
Heptachlor epoxide	S21-Oc57161	CP	%	91			70-130	Pass	
Hexachlorobenzene	S21-Oc57161	CP	%	88			70-130	Pass	
Methoxychlor	S21-Oc57161	CP	%	73			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S21-Oc57161	CP	%	91			70-130	Pass	
Dimethoate	S21-Oc57161	CP	%	94			70-130	Pass	
Ethion	S21-Oc57161	CP	%	106			70-130	Pass	
Fenitrothion	S21-Oc57161	CP	%	107			70-130	Pass	
Methyl parathion	S21-Oc57161	CP	%	117			70-130	Pass	
Mevinphos	S21-Oc57161	CP	%	94			70-130	Pass	
Spike - % Recovery									
Semivolatile Organics				Result 1					
2-Methyl-4.6-dinitrophenol	S21-Oc57161	CP	%	95			30-130	Pass	
2-Chlorophenol	S21-Oc57161	CP	%	90			30-130	Pass	
2-Methylphenol (o-Cresol)	S21-Oc57161	CP	%	83			30-130	Pass	
2-Nitrophenol	S21-Oc57161	CP	%	100			30-130	Pass	
2.4-Dichlorophenol	S21-Oc57161	CP	%	81			30-130	Pass	
2.4-Dimethylphenol	S21-Oc57161	CP	%	82			30-130	Pass	
2.4-Dinitrophenol	S21-Oc57161	CP	%	103			70-130	Pass	
2.4.6-Trichlorophenol	S21-Oc57161	CP	%	76			30-130	Pass	
2.6-Dichlorophenol	S21-Oc57161	CP	%	81			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc57161	CP	%	101			30-130	Pass	
4-Chloro-3-methylphenol	S21-Oc57161	CP	%	80			30-130	Pass	
4-Nitrophenol	S21-Oc57161	CP	%	82			30-130	Pass	
Phenol	S21-Oc57161	CP	%	88			30-130	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	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	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			
Benzo(g.h.i)perylene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc57111	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc57111	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S21-Oc57111	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Fensulfothion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc57111	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc57111	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc57111	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc57111	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc57111	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc57111	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
4-Chlorophenyl phenyl ether	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc57111	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc57111	CP	mg/kg	< 2.5	< 2.5	<1	30%	Pass	
a-HCH	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc57111	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc57111	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc57111	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc57115	CP	%	15	14	4.0	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc57116	CP	mg/kg	14	11	26	30%	Pass	
Cadmium	S21-Oc57116	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc57116	CP	mg/kg	25	30	18	30%	Pass	
Copper	S21-Oc57116	CP	mg/kg	26	24	6.0	30%	Pass	
Lead	S21-Oc57116	CP	mg/kg	20	23	17	30%	Pass	
Mercury	S21-Oc57116	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc57116	CP	mg/kg	11	6.6	47	30%	Fail	Q15
Zinc	S21-Oc57116	CP	mg/kg	45	27	49	30%	Fail	Q15
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc57118	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc57118	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc57118	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc57118	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc57118	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc57118	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc57118	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Hexachlorobenzene	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc57118	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S21-Oc57118	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc57118	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc57118	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc57118	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Chlorophenol	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc57118	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc57118	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc57118	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc57118	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc57118	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
g-HCH (Lindane)	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc57118	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc57118	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc57119	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc57119	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc57119	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc57119	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc57119	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc57119	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc57119	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc57119	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Bromobenzene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc57119	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc57120	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc57120	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc57120	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc57120	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc57120	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc57120	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc57120	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc57120	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.3-Dichloropropane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc57120	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc57120	CP	mg/kg	11	9.1	18	30%	Pass	
Cadmium	S21-Oc57120	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc57120	CP	mg/kg	23	21	9.0	30%	Pass	
Copper	S21-Oc57120	CP	mg/kg	20	17	14	30%	Pass	
Lead	S21-Oc57120	CP	mg/kg	18	15	15	30%	Pass	
Mercury	S21-Oc57120	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc57120	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S21-Oc57120	CP	mg/kg	21	19	6.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluoroundecanoic acid (PFUnDA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc57121	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc57121	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc57121	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)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc57121	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc57121	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc57125	CP	%	13	12	3.0	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc57131	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc57131	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc57131	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc57131	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc57131	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc57131	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc57131	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc57131	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Coumaphos	S21-Oc57131	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc57131	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc57131	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc57131	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc57131	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2.4-Dinitrophenol	S21-Oc57131	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc57131	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc57131	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc57131	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
N-Nitrosopiperidine	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc57131	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc57131	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc57131	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc57131	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc57131	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)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc57131	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc57131	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc57135	CP	%	14	14	2.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc57136	CP	mg/kg	6.9	8.0	15	30%	Pass	
Cadmium	S21-Oc57136	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc57136	CP	mg/kg	28	27	3.0	30%	Pass	
Copper	S21-Oc57136	CP	mg/kg	15	15	3.0	30%	Pass	
Lead	S21-Oc57136	CP	mg/kg	15	16	3.0	30%	Pass	
Mercury	S21-Oc57136	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc57136	CP	mg/kg	6.6	6.3	3.0	30%	Pass	
Zinc	S21-Oc57136	CP	mg/kg	24	23	3.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc57141	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc57141	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc57141	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc57141	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc57141	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc57141	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc57141	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc57141	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
2-Propanone (Acetone)	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc57141	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc57142	CP	mg/kg	7.8	15	62	30%	Fail	Q15
Cadmium	S21-Oc57142	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc57142	CP	mg/kg	15	25	47	30%	Fail	Q15
Copper	S21-Oc57142	CP	mg/kg	54	64	17	30%	Pass	
Lead	S21-Oc57142	CP	mg/kg	14	20	33	30%	Fail	Q15
Mercury	S21-Oc57142	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc57142	CP	mg/kg	12	14	16	30%	Pass	
Zinc	S21-Oc57142	CP	mg/kg	77	89	15	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc57143	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc57143	CP	mg/kg	< 50	54	52	30%	Fail	Q15
TRH C29-C36	S21-Oc57143	CP	mg/kg	< 50	60	56	30%	Fail	Q15
TRH >C10-C16	S21-Oc57143	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc57143	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc57143	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Benzo(a)pyrene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc57143	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc57143	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S21-Oc57143	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Fensulfothion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc57143	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc57143	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc57143	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc57143	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc57143	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc57143	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
4-Chlorophenyl phenyl ether	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc57143	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc57143	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc57143	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc57143	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc57143	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc57143	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc57143	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)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc57143	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc57143	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc57147	CP	%	13	14	10	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc57151	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc57151	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc57151	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc57151	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc57151	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc57151	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc57151	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc57151	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Isopropyl benzene (Cumene)	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc57151	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc57153	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc57153	CP	mg/kg	120	96	20	30%	Pass	
TRH C29-C36	S21-Oc57153	CP	mg/kg	130	110	21	30%	Pass	
TRH >C10-C16	S21-Oc57153	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc57153	CP	mg/kg	210	170	21	30%	Pass	
TRH >C34-C40	S21-Oc57153	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc57153	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Heptachlor epoxide	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc57153	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S21-Oc57153	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc57153	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc57153	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc57153	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Chloronaphthalene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc57153	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc57153	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc57153	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc57153	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc57153	CP	mg/kg	< 2.5	< 2.5	<1	30%	Pass	
a-HCH	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc57153	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Endrin ketone	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc57153	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc57153	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc57153	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc57153	CP	ug/kg	< 10	< 10	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc57153	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)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc57153	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc57153	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc57157	CP	%	18	16	9.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc57158	CP	mg/kg	10	12	17	30%	Pass	
Cadmium	S21-Oc57158	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc57158	CP	mg/kg	24	28	18	30%	Pass	
Copper	S21-Oc57158	CP	mg/kg	19	20	10	30%	Pass	
Lead	S21-Oc57158	CP	mg/kg	16	18	14	30%	Pass	
Mercury	S21-Oc57158	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc57158	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S21-Oc57158	CP	mg/kg	23	28	19	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc57160	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc57160	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc57160	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc57160	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc57160	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc57160	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc57161	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc57161	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc57161	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc57161	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc57161	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc57161	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc57161	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc57161	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc57161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc57163	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc57163	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc57163	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc57163	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc57163	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc57163	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc57163	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc57163	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Coumaphos	S21-Oc57163	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc57163	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc57163	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc57163	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc57163	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2.4-Dinitrophenol	S21-Oc57163	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc57163	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc57163	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc57163	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
N-Nitrosopiperidine	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc57163	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc57163	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Comments

This report was revised V2 to include prefix "AI_" to all samples as requested.

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
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:

John Nguyen	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)
Andrew Sullivan	Senior Analyst-PFAS (NSW)
John Nguyen	Senior Analyst-Metal (NSW)
Roopesh Rangarajan	Senior Analyst-Volatile (NSW)

Glenn Jackson
General Manager

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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eurofins | Environment Testing

Certificate of Analysis

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention: **Nicholas Grbich**

Report **835522-W-V2**
Project name WPCA BCC
Project ID 0571466
Received Date Oct 26, 2021

Client Sample ID			**AI_TS**	**AI_TB**	**AI_1B_20211025_R01**
Sample Matrix			**Water**	**Water**	**Water**
Eurofins Sample No.			**S21-Oc57164**	**S21-Oc57165**	**S21-Oc57166**
Date Sampled			**Oct 25, 2021**	**Oct 25, 2021**	**Oct 25, 2021**
Test/Reference	LOR	Unit			
BTEX					
Benzene	1	%	120	-	-
Ethylbenzene	1	%	90	-	-
m&p-Xylenes	1	%	100	-	-
o-Xylene	1	%	82	-	-
Toluene	1	%	96	-	-
Xylenes - Total	1	%	89	-	-
4-Bromofluorobenzene (surr.)	1	%	125	-	-
BTEX					
Benzene	0.001	mg/L	-	< 0.001	< 0.001
Toluene	0.001	mg/L	-	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	122	113
Total Recoverable Hydrocarbons					
TRH C6-C9	0.02	mg/L	-	-	< 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
Naphthalene[N02]	0.01	mg/L	-	-	< 0.01
TRH C6-C10	0.02	mg/L	-	-	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	-	-	< 0.02
TRH >C10-C16	0.05	mg/L	-	-	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	-	-	< 0.05
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
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

Client Sample ID			AI_TS	AI_TB	AI_1B_20211025_R01
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S21-Oc57164	S21-Oc57165	S21-Oc57166
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Volatile Organics					
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
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

Client Sample ID			AI_TS	AI_TB	AI_1B_20211025_R01
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S21-Oc57164	S21-Oc57165	S21-Oc57166
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Volatile Organics					
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	%	-	-	113
Toluene-d8 (surr.)	1	%	-	-	118
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	%	-	-	89
p-Terphenyl-d14 (surr.)	1	%	-	-	INT
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
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

Client Sample ID			AI_TS	AI_TB	AI_1B_20211025_R01
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S21-Oc57164	S21-Oc57165	S21-Oc57166
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Organochlorine Pesticides					
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	-	-	< 0.002
Dibutylchlorendate (surr.)	1	%	-	-	INT
Tetrachloro-m-xylene (surr.)	1	%	-	-	INT
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
Semivolatile Organics					
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	-	-	< 0.005
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

Client Sample ID			AI_TS	AI_TB	AI_1B_20211025_R01
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S21-Oc57164	S21-Oc57165	S21-Oc57166
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Semivolatile Organics					
1.3-Dichlorobenzene	0.005	mg/L	-	-	< 0.005
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	%	-	-	89
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-Dinitrotoluene	0.005	mg/L	-	-	< 0.005
2.4.5-Trichlorophenol	0.01	mg/L	-	-	< 0.01
2.4.6-Tribromophenol (surr.)	1	%	-	-	INT
2.4.6-Trichlorophenol	0.01	mg/L	-	-	< 0.01
2.6-Dichlorophenol	0.003	mg/L	-	-	< 0.003
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	-	-	< 0.005
4-Bromophenyl phenyl ether	0.005	mg/L	-	-	< 0.005
4-Chloro-3-methylphenol	0.01	mg/L	-	-	< 0.01
4-Chlorophenyl phenyl ether	0.005	mg/L	-	-	< 0.005
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-chloroethoxy)methane	0.005	mg/L	-	-	< 0.005

Client Sample ID			AI_TS	AI_TB	AI_1B_20211025_R01
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S21-Oc57164	S21-Oc57165	S21-Oc57166
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Semivolatile Organics					
Bis(2-chloroisopropyl)ether	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
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	%	-	-	141
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	%	-	-	64
Pronamide	0.005	mg/L	-	-	< 0.005
Pyrene	0.001	mg/L	-	-	< 0.001
Trifluralin	0.005	mg/L	-	-	< 0.005

Client Sample ID			AI_TS	AI_TB	AI_1B_20211025_R01
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S21-Oc57164	S21-Oc57165	S21-Oc57166
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
Heavy Metals					
Arsenic	0.001	mg/L	-	-	< 0.001
Cadmium	0.0002	mg/L	-	-	< 0.0002
Chromium	0.001	mg/L	-	-	< 0.001
Copper	0.001	mg/L	-	-	< 0.001
Lead	0.001	mg/L	-	-	< 0.001
Mercury	0.0001	mg/L	-	-	< 0.0001
Nickel	0.001	mg/L	-	-	< 0.001
Zinc	0.005	mg/L	-	-	< 0.005
Perfluoroalkyl carboxylic acids (PFCAs)					
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	-	-	< 0.05
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	-	-	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	-	-	< 0.01
13C4-PFBA (surr.)	1	%	-	-	84
13C5-PFPeA (surr.)	1	%	-	-	104
13C5-PFHxA (surr.)	1	%	-	-	98
13C4-PFHpA (surr.)	1	%	-	-	94
13C8-PFOA (surr.)	1	%	-	-	130
13C5-PFNA (surr.)	1	%	-	-	92
13C6-PFDA (surr.)	1	%	-	-	92
13C2-PFUnDA (surr.)	1	%	-	-	90
13C2-PFDoDA (surr.)	1	%	-	-	95
13C2-PFTeDA (surr.)	1	%	-	-	71
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	%	-	-	93
D3-N-MeFOSA (surr.)	1	%	-	-	73
D5-N-EtFOSA (surr.)	1	%	-	-	62
D7-N-MeFOSE (surr.)	1	%	-	-	51
D9-N-EtFOSE (surr.)	1	%	-	-	46
D5-N-EtFOSAA (surr.)	1	%	-	-	71
D3-N-MeFOSAA (surr.)	1	%	-	-	58

Client Sample ID			AI_TS	AI_TB	AI_1B_20211025_R01
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S21-Oc57164	S21-Oc57165	S21-Oc57166
Date Sampled			Oct 25, 2021	Oct 25, 2021	Oct 25, 2021
Test/Reference	LOR	Unit			
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
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	%	-	-	106
18O2-PFHxS (surr.)	1	%	-	-	102
13C8-PFOS (surr.)	1	%	-	-	102
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	%	-	-	105
13C2-6:2 FTSA (surr.)	1	%	-	-	86
13C2-8:2 FTSA (surr.)	1	%	-	-	68
13C2-10:2 FTSA (surr.)	1	%	-	-	90
PFASs Summations					
Sum (PFHxS + PFOS)*	0.01	ug/L	-	-	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	-	-	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	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

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
BTEX	Sydney	Oct 27, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Oct 29, 2021	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 27, 2021	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 29, 2021	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Oct 29, 2021	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Oct 29, 2021	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Oct 29, 2021	7 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Metals M8	Sydney	Nov 02, 2021	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Oct 27, 2021	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Oct 29, 2021	7 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Oct 27, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Oct 27, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Oct 27, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Oct 27, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Oct 27, 2021	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Company Name: ERM Sydney
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Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	AI_1B_TP54_0.1	Oct 25, 2021		Soil	S21-Oc57111	X				X	X	X	X	X	
2	AI_1B_TP54_0.5	Oct 25, 2021		Soil	S21-Oc57112					X	X	X	X	X	
3	AI_1B_TP51_0.1	Oct 25, 2021		Soil	S21-Oc57113	X				X	X	X	X	X	
4	AI_1B_TP51_0.5	Oct 25, 2021		Soil	S21-Oc57114					X	X	X	X	X	
5	AI_1B_TP50_0.05	Oct 25, 2021		Soil	S21-Oc57115	X				X	X	X	X	X	
6	AI_1B_TP50_	Oct 25, 2021		Soil	S21-Oc57116					X	X	X	X	X	

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IANZ # 1290

Company Name:	ERM Sydney	**Order No.:**		**Received:**	Oct 26, 2021 4:08 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	835522	**Due:**	Nov 2, 2021
		Phone:	02 8584 8888	**Priority:**	5 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	WPCA BCC				
Project ID:	0571466				

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
7	AI_1B_TP49_0.1	Oct 25, 2021		Soil	S21-Oc57117	X				X	X	X	X	X	
8	AI_1B_TP49_0.5	Oct 25, 2021		Soil	S21-Oc57118					X	X	X	X	X	
9	AI_1B_TP48_0.1	Oct 25, 2021		Soil	S21-Oc57119	X				X	X	X	X	X	
10	AI_1B_TP48_0.5	Oct 25, 2021		Soil	S21-Oc57120					X	X	X	X	X	
11	AI_1B_TP47_0.1	Oct 25, 2021		Soil	S21-Oc57121	X				X	X	X	X	X	
12	AI_1B_TP47_0.4	Oct 25, 2021		Soil	S21-Oc57122					X	X	X	X	X	

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Company Name: ERM Sydney
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Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 835522
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 26, 2021 4:08 PM
Due: Nov 2, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
13	AI_1B_TP42_0.1	Oct 25, 2021		Soil	S21-Oc57123	X				X	X	X	X	X	
14	AI_1B_TP42_0.3	Oct 25, 2021		Soil	S21-Oc57124					X	X	X	X	X	
15	AI_1B_TP43_0.1	Oct 25, 2021		Soil	S21-Oc57125	X				X	X	X	X	X	
16	AI_1B_TP43_0.4	Oct 25, 2021		Soil	S21-Oc57126					X	X	X	X	X	
17	AI_1B_TP44_0.1	Oct 25, 2021		Soil	S21-Oc57127	X				X	X	X	X	X	
18	AI_1B_TP44_0.5	Oct 25, 2021		Soil	S21-Oc57128					X	X	X	X	X	
19	AI_1B_TP45_	Oct 25, 2021		Soil	S21-Oc57129	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.1														
20	AI_1B_TP45_0.4	Oct 25, 2021		Soil	S21-Oc57130					X	X	X	X	X	
21	AI_1B_TP37_0.1	Oct 25, 2021		Soil	S21-Oc57131	X				X	X	X	X	X	
22	AI_1B_TP37_0.3	Oct 25, 2021		Soil	S21-Oc57132					X	X	X	X	X	
23	AI_1B_TP31_0.1	Oct 25, 2021		Soil	S21-Oc57133	X				X	X	X	X	X	
24	AI_1B_TP31_0.4	Oct 25, 2021		Soil	S21-Oc57134					X	X	X	X	X	
25	AI_1B_TP32_0.1	Oct 25, 2021		Soil	S21-Oc57135	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
26	AI_1B_TP32_0.4	Oct 25, 2021		Soil	S21-Oc57136					X	X	X	X	X	
27	AI_1B_TP25_0.1	Oct 25, 2021		Soil	S21-Oc57137		X								
28	AI_1B_TP25_0.3	Oct 25, 2021		Soil	S21-Oc57138		X								
29	AI_1B_TP63_0.1	Oct 25, 2021		Soil	S21-Oc57139	X				X	X	X	X	X	
30	AI_1B_TP63_0.5	Oct 25, 2021		Soil	S21-Oc57140					X	X	X	X	X	
31	AI_1B_TP55_0.1	Oct 25, 2021		Soil	S21-Oc57141	X				X	X	X	X	X	
32	AI_1B_TP55_	Oct 25, 2021		Soil	S21-Oc57142					X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.5														
33	AI_1B_TP56_0.1	Oct 25, 2021		Soil	S21-Oc57143	X				X	X	X	X	X	
34	AI_1B_TP56_0.5	Oct 25, 2021		Soil	S21-Oc57144					X	X	X	X	X	
35	AI_1B_TP64_0.1	Oct 25, 2021		Soil	S21-Oc57145	X				X	X	X	X	X	
36	AI_1B_TP64_0.5	Oct 25, 2021		Soil	S21-Oc57146					X	X	X	X	X	
37	AI_1B_TP65_0.1	Oct 25, 2021		Soil	S21-Oc57147	X				X	X	X	X	X	
38	AI_1B_TP65_0.5	Oct 25, 2021		Soil	S21-Oc57148					X	X	X	X	X	

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Eurofins Analytical Services Manager : John Nguyen

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
39	AI_1B_TP57_0.1	Oct 25, 2021		Soil	S21-Oc57149	X				X	X	X	X	X	
40	AI_1B_TP57_0.5	Oct 25, 2021		Soil	S21-Oc57150					X	X	X	X	X	
41	AI_1B_TP59_0.1	Oct 25, 2021		Soil	S21-Oc57151	X				X	X	X	X	X	
42	AI_1B_TP59_0.5	Oct 25, 2021		Soil	S21-Oc57152					X	X	X	X	X	
43	AI_1B_TP60_0.1	Oct 25, 2021		Soil	S21-Oc57153	X				X	X	X	X	X	
44	AI_1B_TP60_0.5	Oct 25, 2021		Soil	S21-Oc57154					X	X	X	X	X	
45	AI_1B_TP61_	Oct 25, 2021		Soil	S21-Oc57155	X				X	X	X	X	X	

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		Phone:	02 8584 8888	**Priority:**	5 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	WPCA BCC				
Project ID:	0571466				

Eurofins Analytical Services Manager : John Nguyen

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
	0.1														
46	AI_1B_TP61_0.5	Oct 25, 2021		Soil	S21-Oc57156					X	X	X	X	X	
47	AI_1B_TP62_0.1	Oct 25, 2021		Soil	S21-Oc57157	X				X	X	X	X	X	
48	AI_1B_TP62_0.5	Oct 25, 2021		Soil	S21-Oc57158					X	X	X	X	X	
49	AI_1B_TP52_0.1	Oct 25, 2021		Soil	S21-Oc57159	X				X	X	X	X	X	
50	AI_1B_TP52_0.5	Oct 25, 2021		Soil	S21-Oc57160					X	X	X	X	X	
51	AI_1B_TP53_0.1	Oct 25, 2021		Soil	S21-Oc57161	X				X	X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
52	AI_1B_20211025_D01	Oct 25, 2021		Soil	S21-Oc57162					X	X	X	X	X	
53	AI_1B_20211025_D02	Oct 25, 2021		Soil	S21-Oc57163					X	X	X	X	X	
54	AI_TS	Oct 25, 2021		Water	S21-Oc57164										X
55	AI_TB	Oct 25, 2021		Water	S21-Oc57165				X						
56	AI_1B_20211025_R01	Oct 25, 2021		Water	S21-Oc57166					X		X	X	X	
57	AI_1B_TP25_0.1	Oct 25, 2021		Water	S21-Oc62441			X							
58	AI_1B_TP27_0.1	Oct 25, 2021		Water	S21-Oc62442			X							

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Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254															
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794															
Mayfield Laboratory - NATA # 1261 Site # 25079															
Perth Laboratory - NATA # 2377 Site # 2370															
External Laboratory															
59	AI_1B_TP27_0.3	Oct 25, 2021		Water	S21-Oc62443			X							
60	AI_1B_TP38_0.1	Oct 25, 2021		Water	S21-Oc62444			X							
61	AI_1B_TP38_0.3	Oct 25, 2021		Water	S21-Oc62445			X							
62	AI_1B_TP53_0.5	Oct 25, 2021		Water	S21-Oc62446			X							
63	AI_1B_TP58_0.1	Oct 25, 2021		Water	S21-Oc62447			X							
64	AI_1B_TP58_0.5	Oct 25, 2021		Water	S21-Oc62448			X							
Test Counts						25	2	8	1	52	51	52	52	52	1

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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QC Data General Comments

1. Where a result is reported as a 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 is 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							
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							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	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							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	mg/L	< 0.03			0.03	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2-Methylnaphthalene	mg/L	< 0.005			0.005	Pass	
2-Methylphenol (o-Cresol)	mg/L	< 0.003			0.003	Pass	
2-Naphthylamine	mg/L	< 0.005			0.005	Pass	
2-Nitroaniline	mg/L	< 0.005			0.005	Pass	
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2-Picoline	mg/L	< 0.005			0.005	Pass	
2.3.4.6-Tetrachlorophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
2.4-Dimethylphenol	mg/L	< 0.003			0.003	Pass	
2.4-Dinitrophenol	mg/L	< 0.03			0.03	Pass	
2.4-Dinitrotoluene	mg/L	< 0.005			0.005	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	
2.6-Dinitrotoluene	mg/L	< 0.005			0.005	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/L	< 0.006			0.006	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-Bromophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
4-Chloro-3-methylphenol	mg/L	< 0.01			0.01	Pass	
4-Chlorophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
4-Nitrophenol	mg/L	< 0.03			0.03	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-chloroethoxy)methane	mg/L	< 0.005			0.005	Pass	
Bis(2-chloroisopropyl)ether	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
Pentachlorophenol	mg/L	< 0.01			0.01	Pass	
Phenol	mg/L	< 0.003			0.003	Pass	
Pronamide	mg/L	< 0.005			0.005	Pass	
Trifluralin	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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.01			0.01	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.01			0.01	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 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	
LCS - % Recovery							
BTEX							
Benzene	%	85			70-130	Pass	
Toluene	%	117			70-130	Pass	
Ethylbenzene	%	112			70-130	Pass	
m&p-Xylenes	%	118			70-130	Pass	
o-Xylene	%	118			70-130	Pass	
Xylenes - Total*	%	118			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	102			70-130	Pass	
TRH C10-C14	%	105			70-130	Pass	
Naphthalene	%	104			70-130	Pass	
TRH C6-C10	%	102			70-130	Pass	
TRH >C10-C16	%	130			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	126			70-130	Pass	
1.1.1-Trichloroethane	%	86			70-130	Pass	
1.2-Dichlorobenzene	%	111			70-130	Pass	
1.2-Dichloroethane	%	114			70-130	Pass	
Trichloroethene	%	78			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	75			70-130	Pass	
Acenaphthylene	%	92			70-130	Pass	
Anthracene	%	97			70-130	Pass	
Benz(a)anthracene	%	91			70-130	Pass	
Benzo(a)pyrene	%	90			70-130	Pass	
Benzo(b&j)fluoranthene	%	96			70-130	Pass	
Benzo(g.h.i)perylene	%	76			70-130	Pass	
Benzo(k)fluoranthene	%	90			70-130	Pass	
Chrysene	%	90			70-130	Pass	
Dibenz(a.h)anthracene	%	74			70-130	Pass	
Fluoranthene	%	100			70-130	Pass	
Fluorene	%	95			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	82			70-130	Pass	
Naphthalene	%	78			70-130	Pass	
Phenanthrene	%	102			70-130	Pass	
Pyrene	%	85			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chlordanes - Total	%	95			70-130	Pass	
4.4'-DDD	%	94			70-130	Pass	
4.4'-DDE	%	94			70-130	Pass	
4.4'-DDT	%	108			70-130	Pass	
a-HCH	%	90			70-130	Pass	
Aldrin	%	89			70-130	Pass	
b-HCH	%	93			70-130	Pass	
d-HCH	%	94			70-130	Pass	
Dieldrin	%	96			70-130	Pass	
Endosulfan I	%	94			70-130	Pass	
Endosulfan II	%	96			70-130	Pass	
Endosulfan sulphate	%	93			70-130	Pass	
Endrin	%	118			70-130	Pass	
Endrin aldehyde	%	93			70-130	Pass	
Endrin ketone	%	93			70-130	Pass	
g-HCH (Lindane)	%	94			70-130	Pass	
Heptachlor	%	99			70-130	Pass	
Heptachlor epoxide	%	99			70-130	Pass	
Hexachlorobenzene	%	85			70-130	Pass	
Methoxychlor	%	90			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	96			70-130	Pass	
Dimethoate	%	81			70-130	Pass	
Ethion	%	104			70-130	Pass	
Fenitrothion	%	93			70-130	Pass	
Methyl parathion	%	101			70-130	Pass	
Mevinphos	%	97			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	84			25-140	Pass	
1.2.4-Trichlorobenzene	%	71			70-130	Pass	
2-Chlorophenol	%	62			25-140	Pass	
2-Methylphenol (o-Cresol)	%	77			25-140	Pass	
2-Nitrophenol	%	90			25-140	Pass	
2.4-Dichlorophenol	%	82			25-140	Pass	
2.4-Dimethylphenol	%	87			25-140	Pass	
2.4-Dinitrophenol	%	65			25-140	Pass	
2.4-Dinitrotoluene	%	85			70-130	Pass	
2.4.5-Trichlorophenol	%	78			25-140	Pass	
2.4.6-Trichlorophenol	%	80			25-140	Pass	
2.6-Dichlorophenol	%	79			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	78			25-140	Pass	
4-Chloro-3-methylphenol	%	68			25-140	Pass	
4-Nitrophenol	%	32			25-140	Pass	
N-Nitrosodipropylamine	%	79			70-130	Pass	
Pentachlorophenol	%	66			25-140	Pass	
Phenol	%	41			25-140	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	104			80-120	Pass	
Cadmium	%	108			80-120	Pass	
Chromium	%	90			80-120	Pass	
Copper	%	84			80-120	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Lead	%	82			80-120	Pass	
Mercury	%	102			80-120	Pass	
Nickel	%	87			80-120	Pass	
Zinc	%	98			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	105			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	93			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	99			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	91			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	94			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	93			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	112			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	115			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	93			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	123			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	97			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	125			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	100			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	119			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)	%	118			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	118			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	78			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	96			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	103			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	117			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	99			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	98			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	114			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	126			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	100			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	108			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	%	94			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	97			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	134			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc57165	CP	%	91			70-130	Pass	
Toluene	S21-Oc57165	CP	%	88			70-130	Pass	
Ethylbenzene	S21-Oc57165	CP	%	89			70-130	Pass	
m&p-Xylenes	S21-Oc57165	CP	%	88			70-130	Pass	
o-Xylene	S21-Oc57165	CP	%	90			70-130	Pass	
Xylenes - Total*	S21-Oc57165	CP	%	89			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
TRH C6-C9	S21-Oc57165	CP	%	76			70-130	Pass	
Naphthalene	S21-Oc57165	CP	%	91			70-130	Pass	
TRH C6-C10	S21-Oc57165	CP	%	76			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	W21-Oc51724	NCP	%	77			70-130	Pass	
TRH C10-C14	S21-Oc64720	NCP	%	95			70-130	Pass	
Naphthalene	S21-No02466	NCP	%	86			70-130	Pass	
TRH C6-C10	W21-Oc51724	NCP	%	74			70-130	Pass	
TRH >C10-C16	S21-Oc64720	NCP	%	92			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	S21-No02466	NCP	%	119			70-130	Pass	
1.1.1-Trichloroethane	S21-No02466	NCP	%	106			70-130	Pass	
1.2-Dichlorobenzene	S21-No02466	NCP	%	96			70-130	Pass	
1.2-Dichloroethane	S21-No02466	NCP	%	116			70-130	Pass	
Trichloroethene	S21-No02466	NCP	%	89			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S21-No02930	NCP	%	82			70-130	Pass	
Acenaphthylene	S21-No02930	NCP	%	85			70-130	Pass	
Anthracene	S21-No02930	NCP	%	92			70-130	Pass	
Benz(a)anthracene	S21-No02930	NCP	%	90			70-130	Pass	
Benzo(a)pyrene	S21-No02930	NCP	%	91			70-130	Pass	
Benzo(b&j)fluoranthene	S21-No02930	NCP	%	96			70-130	Pass	
Benzo(k)fluoranthene	S21-No02930	NCP	%	95			70-130	Pass	
Chrysene	S21-No02930	NCP	%	90			70-130	Pass	
Fluoranthene	S21-No02930	NCP	%	97			70-130	Pass	
Fluorene	S21-No02930	NCP	%	89			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S21-No02930	NCP	%	73			70-130	Pass	
Naphthalene	S21-No02930	NCP	%	72			70-130	Pass	
Phenanthrene	S21-No02930	NCP	%	98			70-130	Pass	
Pyrene	S21-No02930	NCP	%	97			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S21-No02930	NCP	%	93			70-130	Pass	
4.4'-DDD	S21-No02930	NCP	%	91			70-130	Pass	
4.4'-DDE	S21-No02930	NCP	%	92			70-130	Pass	
4.4'-DDT	S21-No02930	NCP	%	102			70-130	Pass	
a-HCH	S21-No02930	NCP	%	85			70-130	Pass	
Aldrin	S21-No02930	NCP	%	86			70-130	Pass	
b-HCH	S21-No02930	NCP	%	90			70-130	Pass	
d-HCH	S21-No02930	NCP	%	90			70-130	Pass	
Dieldrin	S21-No02930	NCP	%	94			70-130	Pass	
Endosulfan I	S21-No02930	NCP	%	92			70-130	Pass	
Endosulfan II	S21-No02930	NCP	%	92			70-130	Pass	
Endosulfan sulphate	S21-No02930	NCP	%	90			70-130	Pass	
Endrin	S21-No02930	NCP	%	107			70-130	Pass	
Endrin aldehyde	S21-No02930	NCP	%	89			70-130	Pass	
Endrin ketone	S21-No02930	NCP	%	90			70-130	Pass	
g-HCH (Lindane)	S21-No02930	NCP	%	90			70-130	Pass	
Heptachlor	S21-No02930	NCP	%	95			70-130	Pass	
Heptachlor epoxide	S21-No02930	NCP	%	96			70-130	Pass	
Hexachlorobenzene	S21-No02930	NCP	%	81			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Methoxychlor	S21-No02930	NCP	%	84			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S21-No02930	NCP	%	92			70-130	Pass	
Dimethoate	S21-No02930	NCP	%	71			70-130	Pass	
Ethion	S21-No02930	NCP	%	95			70-130	Pass	
Fenitrothion	S21-No02930	NCP	%	89			70-130	Pass	
Methyl parathion	S21-No02930	NCP	%	96			70-130	Pass	
Mevinphos	S21-No02930	NCP	%	87			70-130	Pass	
Spike - % Recovery									
Semivolatile Organics				Result 1					
2-Methyl-4.6-dinitrophenol	S21-No02930	NCP	%	73			30-130	Pass	
2-Nitrophenol	S21-No02930	NCP	%	77			30-130	Pass	
2.4-Dichlorophenol	S21-No02930	NCP	%	71			30-130	Pass	
2.4-Dimethylphenol	S21-No02930	NCP	%	77			30-130	Pass	
2.6-Dichlorophenol	S21-No02930	NCP	%	72			30-130	Pass	
4-Chloro-3-methylphenol	S21-No02930	NCP	%	72			30-130	Pass	
Pentachlorophenol	S21-No02930	NCP	%	76			30-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S21-Oc46195	NCP	%	106			75-125	Pass	
Cadmium	S21-Oc46195	NCP	%	110			75-125	Pass	
Chromium	S21-Oc46195	NCP	%	80			75-125	Pass	
Copper	S21-Oc46195	NCP	%	84			75-125	Pass	
Lead	S21-Oc46195	NCP	%	83			75-125	Pass	
Mercury	S21-Oc46195	NCP	%	102			75-125	Pass	
Nickel	S21-Oc60062	NCP	%	86			75-125	Pass	
Zinc	S21-Oc46195	NCP	%	82			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S21-Oc13182	NCP	%	94			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc13182	NCP	%	84			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc13182	NCP	%	87			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc13182	NCP	%	85			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc13182	NCP	%	84			50-150	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc13182	NCP	%	94			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc13182	NCP	%	116			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc13182	NCP	%	75			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc13182	NCP	%	107			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc13182	NCP	%	100			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc13182	NCP	%	87			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S21-Oc13182	NCP	%	107			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc13182	NCP	%	109			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc13182	NCP	%	103			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc13182	NCP	%	101			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc13182	NCP	%	90			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc13182	NCP	%	137			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc13182	NCP	%	110			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S21-Oc13182	NCP	%	81			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc13182	NCP	%	104			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc13182	NCP	%	90			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc13182	NCP	%	94			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc13182	NCP	%	92			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc13182	NCP	%	87			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc13182	NCP	%	88			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc13182	NCP	%	92			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S21-Oc13182	NCP	%	99			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc13182	NCP	%	96			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc13182	NCP	%	118			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc13182	NCP	%	99			50-150	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S21-No03037	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S21-No03037	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-No02273	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C10-C14	S21-Oc64719	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S21-Oc64719	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S21-Oc64719	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Naphthalene	S21-No02273	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
TRH C6-C10	S21-No02273	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH >C10-C16	S21-Oc64719	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S21-Oc64719	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S21-Oc64719	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1-Dichloroethene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2-Trichloroethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloropropane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
2-Butanone (MEK)	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromochloromethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromodichloromethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromoform	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromomethane	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Carbon disulfide	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Carbon Tetrachloride	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chlorobenzene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chloroethane	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloroform	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloromethane	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromochloromethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromomethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dichlorodifluoromethane	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Iodomethane	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Methylene Chloride	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Styrene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Tetrachloroethene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichloroethene	S21-No03773	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichlorofluoromethane	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Vinyl chloride	S21-No03773	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Benzo(b&j)fluoranthene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	S21-Oc58973	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
4.4'-DDD	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDE	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDT	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
a-HCH	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Aldrin	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
b-HCH	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
d-HCH	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Dieldrin	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan I	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan II	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan sulphate	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin aldehyde	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin ketone	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor epoxide	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Hexachlorobenzene	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Methoxychlor	S21-Oc58973	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Toxaphene	S21-No02273	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Bolstar	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorfenvinphos	S21-Oc58973	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Chlorpyrifos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Coumaphos	S21-Oc58973	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Demeton-S	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Demeton-O	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Diazinon	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dichlorvos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dimethoate	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Disulfoton	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
EPN	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethoprop	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethyl parathion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fenitrothion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fensulfothion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Fenthion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Malathion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Merphos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Methyl parathion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Mevinphos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Monocrotophos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Naled	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Omethoate	S21-Oc58973	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Phorate	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc58973	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Pyrazophos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ronnel	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Terbufos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Tokuthion	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Trichloronate	S21-Oc58973	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc58973	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
2-Chlorophenol	S21-Oc58973	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc58973	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2-Nitrophenol	S21-Oc58973	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc58973	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc58973	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc58973	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc58973	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc58973	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc58973	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc58973	NCP	mg/L	< 0.006	< 0.006	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc58973	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
4-Nitrophenol	S21-Oc58973	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
Pentachlorophenol	S21-Oc58973	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Phenol	S21-Oc58973	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	W21-Oc51721	NCP	mg/L	0.007	0.011	42	30%	Fail	Q15
Cadmium	W21-Oc51721	NCP	mg/L	0.0004	0.0004	4.0	30%	Pass	
Chromium	W21-Oc51721	NCP	mg/L	0.015	0.021	35	30%	Fail	Q15
Copper	W21-Oc51721	NCP	mg/L	0.058	0.062	7.0	30%	Pass	
Lead	W21-Oc51721	NCP	mg/L	0.015	0.019	24	30%	Pass	
Mercury	W21-Oc51721	NCP	mg/L	0.0002	0.0003	36	30%	Fail	Q15
Nickel	W21-Oc51721	NCP	mg/L	0.051	0.057	10	30%	Pass	
Zinc	W21-Oc51721	NCP	mg/L	0.30	0.31	1.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorododecanoic acid (PFDoDA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc62709	NCP	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)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc62709	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc62709	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	

Comments

This report was revised V2 to include prefix "AI_" to all samples as requested.

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
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:

John Nguyen	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)
Andrew Sullivan	Senior Analyst-PFAS (NSW)
John Nguyen	Senior Analyst-Metal (NSW)
Roopesh Rangarajan	Senior Analyst-Volatile (NSW)

Glenn Jackson
General Manager

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.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, Ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: **Standard**
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information					Tests Required														Comments
Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP20_0.1		27/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP20_0.4		27/20/2021	SOIL		X													
	1B_TP15_0.1		27/20/2021	SOIL	X														
	1B_TP15_0.4		27/20/2021	SOIL		X													
	1B_TP16_0.1		27/20/2021	SOIL	X														**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP16_0.4		27/20/2021	SOIL		X													
	1B_TP17_0.1		27/20/2021	SOIL	X														
	1B_TP17_0.4		27/20/2021	SOIL		X													
	1B_TP18_0.1		27/20/2021	SOIL	X														
	1B_TP18_0.4		27/20/2021	SOIL		X													
	1B_TP12_0.1		27/20/2021	SOIL	X														
	1B_TP12_0.3		27/20/2021	SOIL		X													
	1B_TP11_0.1		27/20/2021	SOIL	X														
	1B_TP11_0.3		27/20/2021	SOIL		X													

Relinquished by (Company): ERM
Print Name JACK EMBLEN
Date & Time 26/10/21 17:00
Signature:

Received by (Company): Envirolab
Print Name: [illegible]
Date & Time: 29/10/21 2:55pm
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: 10.1°C **(if applicable)**
Transported by: Hand delivered / courier

White - Lab copy / Blue - Client copy / Pink - Retain in Book

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
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Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' Indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, Ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: **Standard**
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Envirolab Sample ID	Client Sample ID or Information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Comments
	1B_TP10_0.1		27/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP10_0.3		27/20/2021	SOIL		X													
	1B_TP09_0.1		27/20/2021	SOIL	X														
	1B_TP09_0.3		27/20/2021	SOIL		X													
	1B_TP13_0.1		27/20/2021	SOIL	X														**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP13_0.3		27/20/2021	SOIL		X													
	1B_TP06_0.1		27/20/2021	SOIL	X														
	1B_TP06_0.3		27/20/2021	SOIL		X													
	1B_TP04_0.1		27/20/2021	SOIL	X														
	1B_TP04_0.3		27/20/2021	SOIL		X													
	1B_TP03_0.1		27/20/2021	SOIL	X														
	1B_TP03_0.3		27/20/2021	SOIL		X													
	1B_TP02_0.1		27/20/2021	SOIL	X														
	1B_TP02_0.3		27/20/2021	SOIL		X													

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name:
Date & Time: 27/10
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

White - Lab copy / Blue - Client copy / Pink - Retain in Book

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Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
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Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

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Contact Person:
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Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, lan.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information / **Tests Required** / **Comments**

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**	BTEX												Provide as much information about the sample as you can
	TP167_0.3		27/20/2021	SOIL		X													*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	TP171_0.1		27/20/2021	SOIL	X														
	TP171_0.3		27/20/2021	SOIL		X													
	TP172_0.1		27/20/2021	SOIL	X														
	TP172_0.3		27/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	TP170_0.1		27/20/2021	SOIL	X														
	TP170_0.3		27/20/2021	SOIL		X													
	TP165_0.1		27/20/2021	SOIL	X														
	TP165_0.3		27/20/2021	SOIL		X													
	TP166_0.1		27/20/2021	SOIL	X														
	TP166_0.3		27/20/2021	SOIL		X													
	TP160_0.3		27/20/2021	SOIL		X													
	1B_20211027_D01					X													
	1B_20211027_D02					X													
	1B_20211027_D03					X													
	1B_20211027_D04					X													
	1B_20211027_T01			WATER		X													PLEASE SEND TO ALS
	1B_20211027_T02					X													PLEASE SEND TO ALS
	1B_20211027_T03					X													PLEASE SEND TO ALS
	1B_20211027_T04					X													PLEASE SEND TO ALS
	TS/TB						X												

Relinquished by (Company): ERM
Print Name: JACK EMBLEN
Date & Time: 26/10/21 10:00
Signature:

Received by (Company):
Print Name:
Date & Time: 27/10
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Envirolab

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Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information / **Tests Required** / **Comments**

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP05_0.1		27/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP05_0.3		27/20/2021	SOIL		X													
	TP159_0.1		27/20/2021	SOIL	X														
	TP164_0.1		27/20/2021	SOIL	X														
	TP164_0.4		27/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	TP169_0.1		27/20/2021	SOIL	X														
	TP169_0.4		27/20/2021	SOIL		X													
	TP168_0.1		27/20/2021	SOIL	X														
	TP168_0.3		27/20/2021	SOIL		X													
	TP163_0.1		27/20/2021	SOIL	X														
	TP163_0.3		27/20/2021	SOIL		X													
	TP158_0.1		27/20/2021	SOIL	X														
	TP158_0.3		27/20/2021	SOIL		X													
	TP167_0.1		27/20/2021	SOIL	X														

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RP
Date & Time: 27/10
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Envirolab

Sydney Lab - Envirolab Services
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Combo4=TRH/BTEX/PAH/Met/Phen
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Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

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Client: ERM Services Australia
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Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
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Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: **Standard**
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**	BTEX												Comments
	1B_TP21_0.1		26/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP21_0.3		26/20/2021	SOIL		X													
	1B_TP61_0.1		26/20/2021	SOIL	X														
	1B_20211026_D01		26/20/2021	SOIL		X													
	1B_20211026_D02		26/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_20211026_T01		26/20/2021	SOIL		X													
	1B_20211026_T02		26/20/2021	SOIL		X													
	TS/TB		26/20/2021	WATER			X												
	1B_20211026_R01		26/20/2021	WATER		X													
																			PLEASE SEND TO ALS
																			PLEASE SEND TO ALS

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RP
Date & Time: 27/10
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

0571466 - ID Request

Jack Emblen <Jack.Emblen@erm.com>

Fri 2/4/2022 5:26 PM

To: John Nguyen <JohnNguyen@eurofins.com>

Cc: Nicholas Grbich <Nicholas.Grbich@erm.com>

> **CAUTION:** EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.
>
> Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi John,

Bit of an annoying request for you but can we please get our sample ID's re-named for the below lab reports? We need to prefix "AI_" added to the front of every sample ID and reports re-issued due to clashes with prior sampling rounds occurring in ESDAT.

So for example, sample "1B_TP01_0.1" would become "AI_1B_TP01_0.1"

Reports:

- 846063
- 835522
- 837639
- 836571
- 838531
- 838539
- 842812
- 846063
- 853609
- 838532
- 838534
- 838536
- 838537
- 838539
- 841164
- 852528
- 852729
- 853214

I appreciate it's a big list but your help would be much appreciated on this one.
Kind Regards,

Jack Emblen
Environmental Consultant

ERM
Unit 11 ¦277 Lane Cove Road¦ Macquarie Park NSW 2113
E jack.emblen@erm.com ¦ W www.erm.com

ERM The business of sustainability

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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

Sydney
Unit F3, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
1/21 Smallwood Place
Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Phone : +61 2 4968 8448
NATA # 1261 Site # 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool WA 6106
Phone : +61 8 6253 4444
NATA # 2377 Site # 2370

Eurofins Environment Testing NZ Limited
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Sample Receipt Advice

Company name:	ERM Sydney
Contact name:	Nicholas Grbich
Project name:	WPCA BCC
Project ID:	0571466
Turnaround time:	5 Day
Date/Time received	Oct 27, 2021 2:55 PM
Eurofins reference	836571

Sample Information

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

Notes

1B_20211027_T01 - T03 forwarded to ALS; T02 received only PFAS jar. TP169_0.4 received as TP169_0.3. Extra samples TP159_0.3 and 1B_TP27_0.4 received, logging on hold. 1B_TP18_0.4 PFAS container not received, canceled PFAS analysis. TP159_0.1 not received, cancelling analysis. 1B_20211027_D03 not received analysis cancelled. 1B_20211027_D02, 1B_20211027_D04 glass jar not received, please advise on tests from PFAS jar. Received 1B_20211027_T04 as PFAS jar only on 5/11 please confirm if it is still to be forwarded to ALS.

Contact

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

John Nguyen on phone : or by email: JohnNguyen@eurofins.com

Results will be delivered electronically via email to Nicholas Grbich - nicholas.grbich@erm.com.

Note: A copy of these results will also be delivered to the general ERM Sydney email address.

eurofins | Environment Testing

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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

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Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

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1/21 Smallwood Place
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Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Newcastle
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Company Name: ERM Sydney
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Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 836571
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 27, 2021 2:55 PM
Due: Nov 3, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	AI_1B_TP27_0.4	Oct 27, 2021		Soil	S21-No01138			X						
2	AI_TP159_0.3	Oct 27, 2021		Soil	S21-No01139			X						
3	AI_1B_20211027_T04	Oct 27, 2021		Soil	S21-No24643			X						
4	AI_1B_TP20_0.1	Oct 27, 2021		Soil	S21-Oc65708	X				X	X	X	X	
5	AI_1B_TP20_0.4	Oct 27, 2021		Soil	S21-Oc65709					X	X	X	X	
6	AI_1B_TP15_0.1	Oct 27, 2021		Soil	S21-Oc65710	X				X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
7	AI_1B_TP15_0.4	Oct 27, 2021		Soil	S21-Oc65711					X	X	X	X	
8	AI_1B_TP16_0.1	Oct 27, 2021		Soil	S21-Oc65712	X				X	X	X	X	
9	AI_1B_TP16_0.4	Oct 27, 2021		Soil	S21-Oc65713					X	X	X	X	
10	AI_1B_TP17_0.1	Oct 27, 2021		Soil	S21-Oc65714	X				X	X	X	X	
11	AI_1B_TP17_0.4	Oct 27, 2021		Soil	S21-Oc65715					X	X	X	X	
12	AI_1B_TP18_0.1	Oct 27, 2021		Soil	S21-Oc65716	X				X	X	X	X	
13	AI_1B_TP18_	Oct 27, 2021		Soil	S21-Oc65717					X	X	X		

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
13	AI_1B_TP18_0.4	Oct 27, 2021		Soil	S21-Oc65717									
14	AI_1B_TP12_0.1	Oct 27, 2021		Soil	S21-Oc65718	X				X	X	X	X	
15	AI_1B_TP12_0.3	Oct 27, 2021		Soil	S21-Oc65719					X	X	X	X	
16	AI_1B_TP11_0.1	Oct 27, 2021		Soil	S21-Oc65720	X				X	X	X	X	
17	AI_1B_TP11_0.3	Oct 27, 2021		Soil	S21-Oc65721					X	X	X	X	
18	AI_1B_TP10_0.1	Oct 27, 2021		Soil	S21-Oc65722	X				X	X	X	X	
19	AI_1B_TP10_	Oct 27, 2021		Soil	S21-Oc65723					X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
	0.3													
20	AI_1B_TP09_0.1	Oct 27, 2021		Soil	S21-Oc65724	X				X	X	X	X	
21	AI_1B_TP09_0.3	Oct 27, 2021		Soil	S21-Oc65725					X	X	X	X	
22	AI_1B_TP13_0.1	Oct 27, 2021		Soil	S21-Oc65726	X				X	X	X	X	
23	AI_1B_TP13_0.3	Oct 27, 2021		Soil	S21-Oc65727					X	X	X	X	
24	AI_1B_TP06_0.1	Oct 27, 2021		Soil	S21-Oc65728	X				X	X	X	X	
25	AI_1B_TP06_0.3	Oct 27, 2021		Soil	S21-Oc65729					X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
26	AI_1B_TP04_0.1	Oct 27, 2021		Soil	S21-Oc65730	X				X	X	X	X	
27	AI_1B_TP04_0.3	Oct 27, 2021		Soil	S21-Oc65731					X	X	X	X	
28	AI_1B_TP03_0.1	Oct 27, 2021		Soil	S21-Oc65732	X				X	X	X	X	
29	AI_1B_TP03_0.3	Oct 27, 2021		Soil	S21-Oc65733					X	X	X	X	
30	AI_1B_TP02_0.1	Oct 27, 2021		Soil	S21-Oc65734	X				X	X	X	X	
31	AI_1B_TP02_0.3	Oct 27, 2021		Soil	S21-Oc65735					X	X	X	X	
32	AI_1B_TP05_	Oct 27, 2021		Soil	S21-Oc65736	X				X	X	X	X	

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
	0.1													
33	AI_1B_TP05_0.3	Oct 27, 2021		Soil	S21-Oc65737					X	X	X	X	
34	AI_TP159_0.1	Oct 27, 2021		Soil	S21-Oc65738		X							
35	AI_TP164_0.1	Oct 27, 2021		Soil	S21-Oc65739	X				X	X	X	X	
36	AI_TP164_0.4	Oct 27, 2021		Soil	S21-Oc65740					X	X	X	X	
37	AI_TP169_0.1	Oct 27, 2021		Soil	S21-Oc65741	X				X	X	X	X	
38	AI_TP169_0.3	Oct 27, 2021		Soil	S21-Oc65742					X	X	X	X	
39	AI_TP168_0.1	Oct 27, 2021		Soil	S21-Oc65743	X				X	X	X	X	
40	AI_TP168_0.3	Oct 27, 2021		Soil	S21-Oc65744					X	X	X	X	
41	AI_TP163_0.1	Oct 27, 2021		Soil	S21-Oc65745	X				X	X	X	X	

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
42	AI_TP163_0.3	Oct 27, 2021		Soil	S21-Oc65746					X	X	X	X	
43	AI_TP158_0.1	Oct 27, 2021		Soil	S21-Oc65747	X				X	X	X	X	
44	AI_TP158_0.3	Oct 27, 2021		Soil	S21-Oc65748					X	X	X	X	
45	AI_TP167_0.1	Oct 27, 2021		Soil	S21-Oc65749	X				X	X	X	X	
46	AI_TP167_0.3	Oct 27, 2021		Soil	S21-Oc65750					X	X	X	X	
47	AI_TP171_0.1	Oct 27, 2021		Soil	S21-Oc65751	X				X	X	X	X	
48	AI_TP171_0.3	Oct 27, 2021		Soil	S21-Oc65752					X	X	X	X	
49	AI_TP172_0.1	Oct 27, 2021		Soil	S21-Oc65753	X				X	X	X	X	
50	AI_TP172_0.3	Oct 27, 2021		Soil	S21-Oc65754					X	X	X	X	
51	AI_TP170_0.1	Oct 27, 2021		Soil	S21-Oc65755	X				X	X	X	X	
52	AI_TP170_0.3	Oct 27, 2021		Soil	S21-Oc65756					X	X	X	X	

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Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
53	AI_TP165_0.1	Oct 27, 2021		Soil	S21-Oc65757	X				X	X	X	X	
54	AI_TP165_0.3	Oct 27, 2021		Soil	S21-Oc65758					X	X	X	X	
55	AI_TP166_0.1	Oct 27, 2021		Soil	S21-Oc65759	X				X	X	X	X	
56	AI_TP166_0.3	Oct 27, 2021		Soil	S21-Oc65760					X	X	X	X	
57	AI_TP160_0.3	Oct 27, 2021		Soil	S21-Oc65761					X	X	X	X	
58	AI_1B_20211027_D01	Oct 27, 2021		Soil	S21-Oc65762					X	X	X	X	
59	AI_1B_20211027_D02	Oct 27, 2021		Soil	S21-Oc65763					X	X	X	X	
60	AI_1B_20211027_D03	Oct 27, 2021		Soil	S21-Oc65764		X							
61	AI_1B_202110	Oct 27, 2021		Soil	S21-Oc65765		X							

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IANZ # 1290

Company Name: ERM Sydney
Address: Level 15, 309 Kent St
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NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 836571
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 27, 2021 2:55 PM
Due: Nov 3, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
61	AI_1B_20211027_D04	Oct 27, 2021		Soil	S21-Oc65765									
62	AI_TRIP SPIKE	Oct 27, 2021		Water	S21-Oc65766									X
63	AI_TRIP BLANK	Oct 27, 2021		Water	S21-Oc65767				X					
Test Counts						26	3	3	1	55	55	55	54	1

Certificate of Analysis

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention:	Nicholas Grbich
Report	836571-AID-V2
Project Name	WPCA BCC
Project ID	0571466
Received Date	Oct 27, 2021
Date Reported	Feb 07, 2022

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "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 WPCA BCC
Project ID 0571466
Date Sampled Oct 27, 2021
Report 836571-AID-V2

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
AI_1B_TP20_0.1	21-Oc65708	Oct 27, 2021	Approximate Sample 539g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP15_0.1	21-Oc65710	Oct 27, 2021	Approximate Sample 633g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP16_0.1	21-Oc65712	Oct 27, 2021	Approximate Sample 608g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP17_0.1	21-Oc65714	Oct 27, 2021	Approximate Sample 538g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP18_0.1	21-Oc65716	Oct 27, 2021	Approximate Sample 546g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP12_0.1	21-Oc65718	Oct 27, 2021	Approximate Sample 753g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP11_0.1	21-Oc65720	Oct 27, 2021	Approximate Sample 670g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP10_0.1	21-Oc65722	Oct 27, 2021	Approximate Sample 688g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
AI_1B_TP09_0.1	21-Oc65724	Oct 27, 2021	Approximate Sample 660g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP13_0.1	21-Oc65726	Oct 27, 2021	Approximate Sample 612g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP06_0.1	21-Oc65728	Oct 27, 2021	Approximate Sample 644g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP04_0.1	21-Oc65730	Oct 27, 2021	Approximate Sample 669g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP03_0.1	21-Oc65732	Oct 27, 2021	Approximate Sample 689g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP02_0.1	21-Oc65734	Oct 27, 2021	Approximate Sample 532g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_1B_TP05_0.1	21-Oc65736	Oct 27, 2021	Approximate Sample 515g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP164_0.1	21-Oc65739	Oct 27, 2021	Approximate Sample 534g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP169_0.1	21-Oc65741	Oct 27, 2021	Approximate Sample 569g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP168_0.1	21-Oc65743	Oct 27, 2021	Approximate Sample 673g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP163_0.1	21-Oc65745	Oct 27, 2021	Approximate Sample 580g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP158_0.1	21-Oc65747	Oct 27, 2021	Approximate Sample 522g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP167_0.1	21-Oc65749	Oct 27, 2021	Approximate Sample 541g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
AI_TP171_0.1	21-Oc65751	Oct 27, 2021	Approximate Sample 615g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP172_0.1	21-Oc65753	Oct 27, 2021	Approximate Sample 582g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP170_0.1	21-Oc65755	Oct 27, 2021	Approximate Sample 539g Sample consisted of: Brown fine-grained clayey soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP165_0.1	21-Oc65757	Oct 27, 2021	Approximate Sample 517g Sample consisted of: Brown fine-grained clayey soil and organic debris	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
AI_TP166_0.1	21-Oc65759	Oct 27, 2021	Approximate Sample 556g Sample consisted of: Brown fine-grained clayey soil and organic debris	No asbestos detected at the reporting limit of 0.01% w/w. 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	Oct 31, 2021	Indefinite

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Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	AI_1B_TP27_0.4	Oct 27, 2021		Soil	S21-No01138			X						
2	AI_TP159_0.3	Oct 27, 2021		Soil	S21-No01139			X						
3	AI_1B_20211027_T04	Oct 27, 2021		Soil	S21-No24643			X						
4	AI_1B_TP20_0.1	Oct 27, 2021		Soil	S21-Oc65708	X				X	X	X	X	
5	AI_1B_TP20_0.4	Oct 27, 2021		Soil	S21-Oc65709					X	X	X	X	
6	AI_1B_TP15_0.1	Oct 27, 2021		Soil	S21-Oc65710	X				X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
7	AI_1B_TP15_0.4	Oct 27, 2021		Soil	S21-Oc65711					X	X	X	X	
8	AI_1B_TP16_0.1	Oct 27, 2021		Soil	S21-Oc65712	X				X	X	X	X	
9	AI_1B_TP16_0.4	Oct 27, 2021		Soil	S21-Oc65713					X	X	X	X	
10	AI_1B_TP17_0.1	Oct 27, 2021		Soil	S21-Oc65714	X				X	X	X	X	
11	AI_1B_TP17_0.4	Oct 27, 2021		Soil	S21-Oc65715					X	X	X	X	
12	AI_1B_TP18_0.1	Oct 27, 2021		Soil	S21-Oc65716	X				X	X	X	X	
13	AI_1B_TP18_	Oct 27, 2021		Soil	S21-Oc65717					X	X	X		

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
13	AI_1B_TP18_0.4	Oct 27, 2021		Soil	S21-Oc65717									
14	AI_1B_TP12_0.1	Oct 27, 2021		Soil	S21-Oc65718	X				X	X	X	X	
15	AI_1B_TP12_0.3	Oct 27, 2021		Soil	S21-Oc65719					X	X	X	X	
16	AI_1B_TP11_0.1	Oct 27, 2021		Soil	S21-Oc65720	X				X	X	X	X	
17	AI_1B_TP11_0.3	Oct 27, 2021		Soil	S21-Oc65721					X	X	X	X	
18	AI_1B_TP10_0.1	Oct 27, 2021		Soil	S21-Oc65722	X				X	X	X	X	
19	AI_1B_TP10_	Oct 27, 2021		Soil	S21-Oc65723					X	X	X	X	

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
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External Laboratory														
	0.3													
20	AI_1B_TP09_0.1	Oct 27, 2021		Soil	S21-Oc65724	X				X	X	X	X	
21	AI_1B_TP09_0.3	Oct 27, 2021		Soil	S21-Oc65725					X	X	X	X	
22	AI_1B_TP13_0.1	Oct 27, 2021		Soil	S21-Oc65726	X				X	X	X	X	
23	AI_1B_TP13_0.3	Oct 27, 2021		Soil	S21-Oc65727					X	X	X	X	
24	AI_1B_TP06_0.1	Oct 27, 2021		Soil	S21-Oc65728	X				X	X	X	X	
25	AI_1B_TP06_0.3	Oct 27, 2021		Soil	S21-Oc65729					X	X	X	X	

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Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
26	AI_1B_TP04_0.1	Oct 27, 2021		Soil	S21-Oc65730	X				X	X	X	X	
27	AI_1B_TP04_0.3	Oct 27, 2021		Soil	S21-Oc65731					X	X	X	X	
28	AI_1B_TP03_0.1	Oct 27, 2021		Soil	S21-Oc65732	X				X	X	X	X	
29	AI_1B_TP03_0.3	Oct 27, 2021		Soil	S21-Oc65733					X	X	X	X	
30	AI_1B_TP02_0.1	Oct 27, 2021		Soil	S21-Oc65734	X				X	X	X	X	
31	AI_1B_TP02_0.3	Oct 27, 2021		Soil	S21-Oc65735					X	X	X	X	
32	AI_1B_TP05_	Oct 27, 2021		Soil	S21-Oc65736	X				X	X	X	X	

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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
Sydney
NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 836571
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 27, 2021 2:55 PM
Due: Nov 3, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
	0.1													
33	AI_1B_TP05_0.3	Oct 27, 2021		Soil	S21-Oc65737					X	X	X	X	
34	AI_TP159_0.1	Oct 27, 2021		Soil	S21-Oc65738		X							
35	AI_TP164_0.1	Oct 27, 2021		Soil	S21-Oc65739	X				X	X	X	X	
36	AI_TP164_0.4	Oct 27, 2021		Soil	S21-Oc65740					X	X	X	X	
37	AI_TP169_0.1	Oct 27, 2021		Soil	S21-Oc65741	X				X	X	X	X	
38	AI_TP169_0.3	Oct 27, 2021		Soil	S21-Oc65742					X	X	X	X	
39	AI_TP168_0.1	Oct 27, 2021		Soil	S21-Oc65743	X				X	X	X	X	
40	AI_TP168_0.3	Oct 27, 2021		Soil	S21-Oc65744					X	X	X	X	
41	AI_TP163_0.1	Oct 27, 2021		Soil	S21-Oc65745	X				X	X	X	X	

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Project ID: 0571466

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
42	AI_TP163_0.3	Oct 27, 2021		Soil	S21-Oc65746					X	X	X	X	
43	AI_TP158_0.1	Oct 27, 2021		Soil	S21-Oc65747	X				X	X	X	X	
44	AI_TP158_0.3	Oct 27, 2021		Soil	S21-Oc65748					X	X	X	X	
45	AI_TP167_0.1	Oct 27, 2021		Soil	S21-Oc65749	X				X	X	X	X	
46	AI_TP167_0.3	Oct 27, 2021		Soil	S21-Oc65750					X	X	X	X	
47	AI_TP171_0.1	Oct 27, 2021		Soil	S21-Oc65751	X				X	X	X	X	
48	AI_TP171_0.3	Oct 27, 2021		Soil	S21-Oc65752					X	X	X	X	
49	AI_TP172_0.1	Oct 27, 2021		Soil	S21-Oc65753	X				X	X	X	X	
50	AI_TP172_0.3	Oct 27, 2021		Soil	S21-Oc65754					X	X	X	X	
51	AI_TP170_0.1	Oct 27, 2021		Soil	S21-Oc65755	X				X	X	X	X	
52	AI_TP170_0.3	Oct 27, 2021		Soil	S21-Oc65756					X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
53	AI_TP165_0.1	Oct 27, 2021		Soil	S21-Oc65757	X				X	X	X	X	
54	AI_TP165_0.3	Oct 27, 2021		Soil	S21-Oc65758					X	X	X	X	
55	AI_TP166_0.1	Oct 27, 2021		Soil	S21-Oc65759	X				X	X	X	X	
56	AI_TP166_0.3	Oct 27, 2021		Soil	S21-Oc65760					X	X	X	X	
57	AI_TP160_0.3	Oct 27, 2021		Soil	S21-Oc65761					X	X	X	X	
58	AI_1B_20211027_D01	Oct 27, 2021		Soil	S21-Oc65762					X	X	X	X	
59	AI_1B_20211027_D02	Oct 27, 2021		Soil	S21-Oc65763					X	X	X	X	
60	AI_1B_20211027_D03	Oct 27, 2021		Soil	S21-Oc65764		X							
61	AI_1B_202110	Oct 27, 2021		Soil	S21-Oc65765		X							

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
61	AI_1B_20211027_D04	Oct 27, 2021		Soil	S21-Oc65765									
62	AI_TRIP SPIKE	Oct 27, 2021		Water	S21-Oc65766									X
63	AI_TRIP BLANK	Oct 27, 2021		Water	S21-Oc65767				X					
Test Counts						26	3	3	1	55	55	55	54	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. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. 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).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

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**).
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 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 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 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 visibly distinguish 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 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 degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
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)].
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 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure 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 the AS 4964-2004. May include (but 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

This report was revised V2 to include prefix "AI_" to all samples as requested.

Sample Integrity

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

Asbestos Counter/Identifier:

Bennel Jiri	Senior Analyst-Asbestos (NSW)
Chamath JHM Annakkage	Senior Analyst-Asbestos (NSW)

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos (NSW)

Glenn Jackson
General Manager

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

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.

ERM Sydney
Level 15, 309 Kent St
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NSW 2000

Attention: **Nicholas Grbich**

Report **836571-S-V2**
Project name WPCA BCC
Project ID 0571466
Received Date Oct 27, 2021

Client Sample ID			**AI_1B_TP20_0.1**	**AI_1B_TP20_0.4**	**AI_1B_TP15_0.1**	**AI_1B_TP15_0.4**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65708**	**S21-Oc65709**	**S21-Oc65710**	**S21-Oc65711**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	53	62	84	82
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			AI_1B_TP20_0.1	AI_1B_TP20_0.4	AI_1B_TP15_0.1	AI_1B_TP15_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65708	S21-Oc65709	S21-Oc65710	S21-Oc65711
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	53	62	84	82
Toluene-d8 (surr.)	1	%	55	119	112	109

Client Sample ID			AI_1B_TP20_0.1	AI_1B_TP20_0.4	AI_1B_TP15_0.1	AI_1B_TP15_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65708	S21-Oc65709	S21-Oc65710	S21-Oc65711
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	112	101	113	87
p-Terphenyl-d14 (surr.)	1	%	114	111	121	106
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	%	93	89	96	77
Tetrachloro-m-xylene (surr.)	1	%	97	96	102	90

Client Sample ID			AI_1B_TP20_0.1	AI_1B_TP20_0.4	AI_1B_TP15_0.1	AI_1B_TP15_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65708**	**S21-Oc65709**	**S21-Oc65710**	**S21-Oc65711**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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	%	104	101	106	92
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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

Client Sample ID			AI_1B_TP20_0.1	AI_1B_TP20_0.4	AI_1B_TP15_0.1	AI_1B_TP15_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65708	S21-Oc65709	S21-Oc65710	S21-Oc65711
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	112	101	113	87
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	52	INT	53	55
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			AI_1B_TP20_0.1	AI_1B_TP20_0.4	AI_1B_TP15_0.1	AI_1B_TP15_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65708	S21-Oc65709	S21-Oc65710	S21-Oc65711
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	112	99	110	79
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	< 5	< 5	< 5	< 5
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	%	112	112	115	105
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

Client Sample ID			AI_1B_TP20_0.1	AI_1B_TP20_0.4	AI_1B_TP15_0.1	AI_1B_TP15_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65708**	**S21-Oc65709**	**S21-Oc65710**	**S21-Oc65711**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	14	13	11	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	26	25	27
Copper	5	mg/kg	24	30	19	23
Lead	5	mg/kg	30	22	25	27
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	20	20	12	13
Zinc	5	mg/kg	51	69	53	50
% Moisture	1	%	20	19	22	14
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	%	90	92	93	90
13C5-PFPeA (surr.)	1	%	111	118	112	115
13C5-PFHxA (surr.)	1	%	101	102	102	95
13C4-PFHpA (surr.)	1	%	96	98	100	91
13C8-PFOA (surr.)	1	%	99	98	103	94
13C5-PFNA (surr.)	1	%	94	97	101	89
13C6-PFDA (surr.)	1	%	95	90	100	87
13C2-PFUnDA (surr.)	1	%	93	99	107	97
13C2-PFDoDA (surr.)	1	%	106	102	112	99
13C2-PFTeDA (surr.)	1	%	97	92	109	101
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	%	98	91	98	97
D3-N-MeFOSA (surr.)	1	%	96	94	93	93
D5-N-EtFOSA (surr.)	1	%	100	98	98	97
D7-N-MeFOSE (surr.)	1	%	92	93	88	92
D9-N-EtFOSE (surr.)	1	%	92	96	89	92

Client Sample ID			AI_1B_TP20_0.1	AI_1B_TP20_0.4	AI_1B_TP15_0.1	AI_1B_TP15_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65708**	**S21-Oc65709**	**S21-Oc65710**	**S21-Oc65711**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	99	88	134	74
D3-N-MeFOSAA (surr.)	1	%	91	84	117	70
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	%	102	104	108	99
18O2-PFHxS (surr.)	1	%	102	97	101	99
13C8-PFOS (surr.)	1	%	103	95	109	97
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	100	112	92
13C2-6:2 FTSA (surr.)	1	%	92	85	116	93
13C2-8:2 FTSA (surr.)	1	%	125	105	149	111
13C2-10:2 FTSA (surr.)	1	%	95	91	147	92
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65712**	**S21-Oc65713**	**S21-Oc65714**	**S21-Oc65715**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65712	S21-Oc65713	S21-Oc65714	S21-Oc65715
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	61	117	62	73
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
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

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65712**	**S21-Oc65713**	**S21-Oc65714**	**S21-Oc65715**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	61	117	62	73
Toluene-d8 (surr.)	1	%	73	137	66	106
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	%	106	87	111	91
p-Terphenyl-d14 (surr.)	1	%	112	107	103	98

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65712	S21-Oc65713	S21-Oc65714	S21-Oc65715
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
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	%	92	77	120	74
Tetrachloro-m-xylene (surr.)	1	%	96	91	108	89
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

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65712**	**S21-Oc65713**	**S21-Oc65714**	**S21-Oc65715**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	104	90	125	95
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 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	%	106	87	111	91
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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	< 1
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2.4-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	INT	INT	84	50
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65712	S21-Oc65713	S21-Oc65714	S21-Oc65715
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5
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-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
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
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

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65712**	**S21-Oc65713**	**S21-Oc65714**	**S21-Oc65715**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	105	78	129	98
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	< 5	< 5	< 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	%	98	95	99	101
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
Heavy Metals						
Arsenic	2	mg/kg	17	13	8.6	8.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	28	26	15	22
Copper	5	mg/kg	24	38	17	28
Lead	5	mg/kg	39	19	20	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	17	21	9.1	6.4
Zinc	5	mg/kg	65	72	42	30
% Moisture	1	%	22	25	25	15
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	%	91	94	94	93

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65712	S21-Oc65713	S21-Oc65714	S21-Oc65715
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	111	115	117	116
13C5-PFHxA (surr.)	1	%	98	100	104	100
13C4-PFHpA (surr.)	1	%	97	99	100	97
13C8-PFOA (surr.)	1	%	99	99	99	98
13C5-PFNA (surr.)	1	%	97	95	101	93
13C6-PFDA (surr.)	1	%	95	92	102	91
13C2-PFUnDA (surr.)	1	%	102	96	110	95
13C2-PFDoDA (surr.)	1	%	101	100	112	99
13C2-PFTeDA (surr.)	1	%	99	94	111	93
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	%	88	93	92	101
D3-N-MeFOSA (surr.)	1	%	88	95	92	94
D5-N-EtFOSA (surr.)	1	%	95	98	97	100
D7-N-MeFOSE (surr.)	1	%	86	91	92	89
D9-N-EtFOSE (surr.)	1	%	88	92	90	97
D5-N-EtFOSAA (surr.)	1	%	122	65	124	74
D3-N-MeFOSAA (surr.)	1	%	114	63	105	69
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	%	101	108	104	101
18O2-PFHxS (surr.)	1	%	99	98	99	102
13C8-PFOS (surr.)	1	%	101	104	108	96
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	%	102	97	107	96
13C2-6:2 FTSA (surr.)	1	%	100	85	104	91

Client Sample ID			AI_1B_TP16_0.1	AI_1B_TP16_0.4	AI_1B_TP17_0.1	AI_1B_TP17_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65712**	**S21-Oc65713**	**S21-Oc65714**	**S21-Oc65715**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	152	103	136	105
13C2-10:2 FTSA (surr.)	1	%	123	91	115	96
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65716**	**S21-Oc65717**	**S21-Oc65718**	**S21-Oc65719**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	102	62	88	83
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

Client Sample ID			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65716	S21-Oc65717	S21-Oc65718	S21-Oc65719
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	102	62	88	83
Toluene-d8 (surr.)	1	%	119	69	96	111

Client Sample ID			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65716	S21-Oc65717	S21-Oc65718	S21-Oc65719
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	112	96	114	87
p-Terphenyl-d14 (surr.)	1	%	116	105	114	83
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	%	84	84	95	76
Tetrachloro-m-xylene (surr.)	1	%	97	86	101	76

Client Sample ID			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65716**	**S21-Oc65717**	**S21-Oc65718**	**S21-Oc65719**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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	%	105	99	116	84
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 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

Client Sample ID			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65716	S21-Oc65717	S21-Oc65718	S21-Oc65719
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	112	96	114	87
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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	< 1	< 1
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2.4-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	108	102	95	104
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5
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-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

Client Sample ID			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65716**	**S21-Oc65717**	**S21-Oc65718**	**S21-Oc65719**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	111	97	133	99
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	%	105	97	129	95
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

Client Sample ID			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65716**	**S21-Oc65717**	**S21-Oc65718**	**S21-Oc65719**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	9.7	12	8.1	7.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	23	18	19
Copper	5	mg/kg	16	22	15	25
Lead	5	mg/kg	19	19	18	15
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	15	12	9.5	8.6
Zinc	5	mg/kg	36	32	30	36
% Moisture	1	%	19	16	3.2	2.1
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	%	93	-	90	91
13C5-PFPeA (surr.)	1	%	116	-	119	110
13C5-PFHxA (surr.)	1	%	103	-	101	98
13C4-PFHpA (surr.)	1	%	102	-	96	94
13C8-PFOA (surr.)	1	%	102	-	98	92
13C5-PFNA (surr.)	1	%	100	-	92	87
13C6-PFDA (surr.)	1	%	101	-	97	89
13C2-PFUnDA (surr.)	1	%	111	-	102	96
13C2-PFDoDA (surr.)	1	%	111	-	106	99
13C2-PFTeDA (surr.)	1	%	105	-	104	94
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	%	94	-	96	97
D3-N-MeFOSA (surr.)	1	%	94	-	93	95
D5-N-EtFOSA (surr.)	1	%	98	-	102	99
D7-N-MeFOSE (surr.)	1	%	89	-	91	86
D9-N-EtFOSE (surr.)	1	%	89	-	91	91

Client Sample ID			AI_1B_TP18_0.1	AI_1B_TP18_0.4	AI_1B_TP12_0.1	AI_1B_TP12_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65716**	**S21-Oc65717**	**S21-Oc65718**	**S21-Oc65719**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	123	-	108	65
D3-N-MeFOSAA (surr.)	1	%	108	-	105	59
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	%	107	-	102	98
18O2-PFHxS (surr.)	1	%	101	-	100	94
13C8-PFOS (surr.)	1	%	110	-	104	101
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	%	111	-	100	95
13C2-6:2 FTSA (surr.)	1	%	110	-	102	96
13C2-8:2 FTSA (surr.)	1	%	138	-	128	120
13C2-10:2 FTSA (surr.)	1	%	129	-	107	98
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			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65720**	**S21-Oc65721**	**S21-Oc65722**	**S21-Oc65723**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	36	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	83	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	119	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65720**	**S21-Oc65721**	**S21-Oc65722**	**S21-Oc65723**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C10-C16	50	mg/kg	< 50	61	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	61	< 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	%	98	60	53	56
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
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

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65720**	**S21-Oc65721**	**S21-Oc65722**	**S21-Oc65723**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	98	60	53	56
Toluene-d8 (surr.)	1	%	65	51	55	51
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	%	135	123	126	132
p-Terphenyl-d14 (surr.)	1	%	136	121	124	131

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65720**	**S21-Oc65721**	**S21-Oc65722**	**S21-Oc65723**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
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	%	114	105	108	108
Tetrachloro-m-xylene (surr.)	1	%	123	111	114	116
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

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65720**	**S21-Oc65721**	**S21-Oc65722**	**S21-Oc65723**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	138	121	128	132
Semivolatile Organics						
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
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	%	135	123	126	132
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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	< 1	< 1	< 1	< 1
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2.4-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	105	101	100	92
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65720	S21-Oc65721	S21-Oc65722	S21-Oc65723
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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-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
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
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

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65720**	**S21-Oc65721**	**S21-Oc65722**	**S21-Oc65723**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	INT	137	141	149
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	%	145	134	135	145
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
Heavy Metals						
Arsenic	2	mg/kg	7.3	8.3	11	16
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	17	26	40
Copper	5	mg/kg	15	24	15	20
Lead	5	mg/kg	18	13	22	32
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	12	6.6	9.6	11
Zinc	5	mg/kg	36	33	36	43
% Moisture	1	%	4.0	5.8	3.7	2.8
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	%	89	91	95	92

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65720	S21-Oc65721	S21-Oc65722	S21-Oc65723
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	111	112	115	113
13C5-PFHxA (surr.)	1	%	97	93	102	101
13C4-PFHpA (surr.)	1	%	92	91	96	93
13C8-PFOA (surr.)	1	%	97	90	99	95
13C5-PFNA (surr.)	1	%	92	91	98	90
13C6-PFDA (surr.)	1	%	92	88	98	88
13C2-PFUnDA (surr.)	1	%	99	93	98	97
13C2-PFDoDA (surr.)	1	%	105	93	113	93
13C2-PFTeDA (surr.)	1	%	91	93	98	86
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	%	90	89	96	92
D3-N-MeFOSA (surr.)	1	%	84	82	93	87
D5-N-EtFOSA (surr.)	1	%	92	93	98	95
D7-N-MeFOSE (surr.)	1	%	78	83	90	88
D9-N-EtFOSE (surr.)	1	%	86	85	89	89
D5-N-EtFOSAA (surr.)	1	%	114	71	131	67
D3-N-MeFOSAA (surr.)	1	%	102	64	99	59
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	%	101	98	106	100
18O2-PFHxS (surr.)	1	%	95	93	103	94
13C8-PFOS (surr.)	1	%	98	91	100	97
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	%	108	92	109	97
13C2-6:2 FTSA (surr.)	1	%	94	85	101	90

Client Sample ID			AI_1B_TP11_0.1	AI_1B_TP11_0.3	AI_1B_TP10_0.1	AI_1B_TP10_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65720**	**S21-Oc65721**	**S21-Oc65722**	**S21-Oc65723**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	142	118	134	114
13C2-10:2 FTSA (surr.)	1	%	110	88	110	87
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65724**	**S21-Oc65725**	**S21-Oc65726**	**S21-Oc65727**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	65	108	71	INT
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

Client Sample ID			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65724	S21-Oc65725	S21-Oc65726	S21-Oc65727
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	65	108	71	INT
Toluene-d8 (surr.)	1	%	60	107	66	INT

Client Sample ID			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65724	S21-Oc65725	S21-Oc65726	S21-Oc65727
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	128	127	122	129
p-Terphenyl-d14 (surr.)	1	%	123	129	121	126
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	%	101	105	102	103
Tetrachloro-m-xylene (surr.)	1	%	112	118	110	112

Client Sample ID			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65724**	**S21-Oc65725**	**S21-Oc65726**	**S21-Oc65727**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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	%	124	129	125	128
Semivolatile Organics						
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
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

Client Sample ID			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65724	S21-Oc65725	S21-Oc65726	S21-Oc65727
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	128	127	122	129
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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	< 1	< 1	< 1	< 1
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2.4-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	103	68	87	100
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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-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

Client Sample ID			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65724**	**S21-Oc65725**	**S21-Oc65726**	**S21-Oc65727**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	145	144	141	145
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	%	135	134	130	135
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

Client Sample ID			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65724**	**S21-Oc65725**	**S21-Oc65726**	**S21-Oc65727**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	7.9	8.7	11	9.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	23	23	19
Copper	5	mg/kg	15	18	13	19
Lead	5	mg/kg	21	16	19	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	12	7.9	9.5	6.9
Zinc	5	mg/kg	45	37	31	29
% Moisture	1	%	4.0	2.9	4.7	4.8
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	%	92	96	89	93
13C5-PFPeA (surr.)	1	%	108	116	112	112
13C5-PFHxA (surr.)	1	%	99	103	96	101
13C4-PFHpA (surr.)	1	%	94	92	93	97
13C8-PFOA (surr.)	1	%	98	99	97	97
13C5-PFNA (surr.)	1	%	95	96	92	96
13C6-PFDA (surr.)	1	%	98	92	94	96
13C2-PFUnDA (surr.)	1	%	101	98	106	103
13C2-PFDoDA (surr.)	1	%	107	100	99	98
13C2-PFTeDA (surr.)	1	%	100	93	94	98
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	%	86	90	82	91
D3-N-MeFOSA (surr.)	1	%	89	89	79	81
D5-N-EtFOSA (surr.)	1	%	93	97	80	88
D7-N-MeFOSE (surr.)	1	%	83	88	80	81
D9-N-EtFOSE (surr.)	1	%	87	89	77	82

Client Sample ID			AI_1B_TP09_0.1	AI_1B_TP09_0.3	AI_1B_TP13_0.1	AI_1B_TP13_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65724**	**S21-Oc65725**	**S21-Oc65726**	**S21-Oc65727**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	126	81	102	73
D3-N-MeFOSAA (surr.)	1	%	110	76	99	74
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	%	104	102	99	103
18O2-PFHxS (surr.)	1	%	101	99	97	98
13C8-PFOS (surr.)	1	%	96	97	104	104
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	%	107	101	99	112
13C2-6:2 FTSA (surr.)	1	%	102	94	96	92
13C2-8:2 FTSA (surr.)	1	%	132	118	108	118
13C2-10:2 FTSA (surr.)	1	%	114	93	105	91
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65728**	**S21-Oc65729**	**S21-Oc65730**	**S21-Oc65731**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65728**	**S21-Oc65729**	**S21-Oc65730**	**S21-Oc65731**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	INT	52	57	68
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
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

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65728**	**S21-Oc65729**	**S21-Oc65730**	**S21-Oc65731**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	INT	52	57	68
Toluene-d8 (surr.)	1	%	INT	51	56	63
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	%	119	130	110	122
p-Terphenyl-d14 (surr.)	1	%	118	130	107	121

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65728	S21-Oc65729	S21-Oc65730	S21-Oc65731
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
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	%	98	107	90	103
Tetrachloro-m-xylene (surr.)	1	%	104	115	96	109
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

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65728	S21-Oc65729	S21-Oc65730	S21-Oc65731
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	119	134	110	123
Semivolatile Organics						
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
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	%	119	130	110	122
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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	< 1	< 1	< 1	< 1
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2.4-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	113	101	87	93
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65728	S21-Oc65729	S21-Oc65730	S21-Oc65731
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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-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
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
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

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65728	S21-Oc65729	S21-Oc65730	S21-Oc65731
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	135	INT	127	143
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	%	123	143	121	136
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
Heavy Metals						
Arsenic	2	mg/kg	7.9	6.8	4.4	4.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	18	9.8	11
Copper	5	mg/kg	14	17	9.1	13
Lead	5	mg/kg	18	12	9.3	7.9
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.9	8.0	5.5	< 5
Zinc	5	mg/kg	27	32	18	18
% Moisture	1	%	5.8	3.4	5.2	2.6
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	%	84	87	87	81

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65728	S21-Oc65729	S21-Oc65730	S21-Oc65731
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	110	108	110	101
13C5-PFHxA (surr.)	1	%	90	92	94	86
13C4-PFHpA (surr.)	1	%	87	89	92	87
13C8-PFOA (surr.)	1	%	87	85	94	85
13C5-PFNA (surr.)	1	%	85	87	100	83
13C6-PFDA (surr.)	1	%	92	90	98	84
13C2-PFUnDA (surr.)	1	%	98	94	110	84
13C2-PFDoDA (surr.)	1	%	94	91	110	81
13C2-PFTeDA (surr.)	1	%	90	85	96	83
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	%	80	88	92	78
D3-N-MeFOSA (surr.)	1	%	75	79	85	75
D5-N-EtFOSA (surr.)	1	%	76	80	84	77
D7-N-MeFOSE (surr.)	1	%	72	79	79	73
D9-N-EtFOSE (surr.)	1	%	77	75	80	74
D5-N-EtFOSAA (surr.)	1	%	97	67	105	57
D3-N-MeFOSAA (surr.)	1	%	97	65	101	55
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	%	90	95	97	88
18O2-PFHxS (surr.)	1	%	93	91	93	85
13C8-PFOS (surr.)	1	%	89	92	105	87
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	%	92	88	98	84
13C2-6:2 FTSA (surr.)	1	%	89	83	94	83

Client Sample ID			AI_1B_TP06_0.1	AI_1B_TP06_0.3	AI_1B_TP04_0.1	AI_1B_TP04_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65728**	**S21-Oc65729**	**S21-Oc65730**	**S21-Oc65731**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	105	106	122	108
13C2-10:2 FTSA (surr.)	1	%	103	84	118	86
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65732**	**S21-Oc65733**	**S21-Oc65734**	**S21-Oc65735**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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	74	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	120	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	194	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	160	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	160	< 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	%	77	87	77	72
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

Client Sample ID			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65732	S21-Oc65733	S21-Oc65734	S21-Oc65735
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	77	87	77	72
Toluene-d8 (surr.)	1	%	73	88	76	69

Client Sample ID			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65732	S21-Oc65733	S21-Oc65734	S21-Oc65735
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	134	127	131	133
p-Terphenyl-d14 (surr.)	1	%	140	138	129	136
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	%	95	100	79	118
Tetrachloro-m-xylene (surr.)	1	%	111	105	116	118

Client Sample ID			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65732	S21-Oc65733	S21-Oc65734	S21-Oc65735
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	114	112	96	133
Semivolatile Organics						
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
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	< 0.5	< 0.5
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

Client Sample ID			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65732	S21-Oc65733	S21-Oc65734	S21-Oc65735
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	134	127	131	133
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	89	124	100	127
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 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-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

Client Sample ID			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65732	S21-Oc65733	S21-Oc65734	S21-Oc65735
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	118	113	114	129
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	< 5	< 5
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	%	132	132	126	139
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

Client Sample ID			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65732**	**S21-Oc65733**	**S21-Oc65734**	**S21-Oc65735**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	9.8	12	17	21
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	23	29	34
Copper	5	mg/kg	16	21	23	25
Lead	5	mg/kg	23	10	30	40
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	7.1	15	13
Zinc	5	mg/kg	48	37	62	55
% Moisture	1	%	19	12	19	13
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	%	86	88	90	91
13C5-PFPeA (surr.)	1	%	106	112	107	114
13C5-PFHxA (surr.)	1	%	92	93	100	94
13C4-PFHpA (surr.)	1	%	98	93	97	93
13C8-PFOA (surr.)	1	%	95	93	95	93
13C5-PFNA (surr.)	1	%	100	93	97	94
13C6-PFDA (surr.)	1	%	104	92	99	92
13C2-PFUnDA (surr.)	1	%	116	94	115	96
13C2-PFDoDA (surr.)	1	%	103	93	113	93
13C2-PFTeDA (surr.)	1	%	84	99	101	96
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	%	87	91	90	88
D3-N-MeFOSA (surr.)	1	%	76	82	82	81
D5-N-EtFOSA (surr.)	1	%	74	83	83	81
D7-N-MeFOSE (surr.)	1	%	73	83	84	82
D9-N-EtFOSE (surr.)	1	%	70	81	81	80

Client Sample ID			AI_1B_TP03_0.1	AI_1B_TP03_0.3	AI_1B_TP02_0.1	AI_1B_TP02_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65732**	**S21-Oc65733**	**S21-Oc65734**	**S21-Oc65735**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	132	60	121	67
D3-N-MeFOSAA (surr.)	1	%	136	55	116	63
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	%	103	97	102	98
18O2-PFHxS (surr.)	1	%	102	92	100	93
13C8-PFOS (surr.)	1	%	99	95	103	91
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	%	116	101	102	88
13C2-6:2 FTSA (surr.)	1	%	132	92	101	89
13C2-8:2 FTSA (surr.)	1	%	183	108	132	108
13C2-10:2 FTSA (surr.)	1	%	197	98	127	83
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65736**	**S21-Oc65737**	**S21-Oc65739**	**S21-Oc65740**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S21-Oc65736**	**S21-Oc65737**	**S21-Oc65739**	**S21-Oc65740**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	INT	101	101	119
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
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

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65736	S21-Oc65737	S21-Oc65739	S21-Oc65740
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	INT	101	101	119
Toluene-d8 (surr.)	1	%	INT	120	129	80
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	%	114	107	122	102
p-Terphenyl-d14 (surr.)	1	%	109	104	122	111

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65736	S21-Oc65737	S21-Oc65739	S21-Oc65740
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
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	%	94	87	101	78
Tetrachloro-m-xylene (surr.)	1	%	100	96	107	95
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

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65736	S21-Oc65737	S21-Oc65739	S21-Oc65740
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	107	113	99
Semivolatile Organics						
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
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	< 0.5	< 0.5
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	%	114	107	122	102
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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	< 1	< 1	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2.4-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	127	123	119	101
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65736	S21-Oc65737	S21-Oc65739	S21-Oc65740
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 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-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
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
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

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65736	S21-Oc65737	S21-Oc65739	S21-Oc65740
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	133	123	118	103
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	< 5	< 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	%	125	128	118	106
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
Heavy Metals						
Arsenic	2	mg/kg	10	12	12	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	26	22	31	27
Copper	5	mg/kg	20	25	21	23
Lead	5	mg/kg	24	26	34	20
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	8.5	20	9.7
Zinc	5	mg/kg	46	37	65	42
% Moisture	1	%	16	13	16	16
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	%	90	91	93	105

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65736	S21-Oc65737	S21-Oc65739	S21-Oc65740
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	114	112	114	128
13C5-PFHxA (surr.)	1	%	96	93	102	107
13C4-PFHpA (surr.)	1	%	97	88	96	110
13C8-PFOA (surr.)	1	%	97	95	97	103
13C5-PFNA (surr.)	1	%	98	90	99	103
13C6-PFDA (surr.)	1	%	94	93	101	99
13C2-PFUnDA (surr.)	1	%	110	92	105	107
13C2-PFDoDA (surr.)	1	%	110	92	108	103
13C2-PFTeDA (surr.)	1	%	101	91	99	104
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	%	91	87	89	96
D3-N-MeFOSA (surr.)	1	%	83	78	83	91
D5-N-EtFOSA (surr.)	1	%	85	79	84	89
D7-N-MeFOSE (surr.)	1	%	82	80	81	94
D9-N-EtFOSE (surr.)	1	%	84	81	83	93
D5-N-EtFOSAA (surr.)	1	%	112	64	118	96
D3-N-MeFOSAA (surr.)	1	%	116	60	100	92
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	%	97	95	108	96
18O2-PFHxS (surr.)	1	%	99	94	101	109
13C8-PFOS (surr.)	1	%	104	93	105	105
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	%	106	95	112	109
13C2-6:2 FTSA (surr.)	1	%	102	85	99	106

Client Sample ID			AI_1B_TP05_0.1	AI_1B_TP05_0.3	AI_TP164_0.1	AI_TP164_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65736	S21-Oc65737	S21-Oc65739	S21-Oc65740
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	136	110	129	122
13C2-10:2 FTSA (surr.)	1	%	119	97	114	94
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	62	92	62	60
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

Client Sample ID			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	62	92	62	60
Toluene-d8 (surr.)	1	%	76	85	73	78

Client Sample ID			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	82	94	91	94
p-Terphenyl-d14 (surr.)	1	%	94	109	111	118
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	83	83	85
Tetrachloro-m-xylene (surr.)	1	%	79	92	93	98

Client Sample ID			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	82	99	100	104
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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

Client Sample ID			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	82	94	91	94
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	85	100	103	110
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	89	99	105	104
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	%	85	103	100	108
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

Client Sample ID			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	13	7.3	13	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	37	20	29	32
Copper	5	mg/kg	28	22	18	23
Lead	5	mg/kg	35	18	24	23
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	19	5.6	9.2	7.4
Zinc	5	mg/kg	66	29	33	34
% Moisture	1	%	18	14	19	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	%	98	107	103	103
13C5-PFPeA (surr.)	1	%	113	120	121	123
13C5-PFHxA (surr.)	1	%	101	105	103	101
13C4-PFHpA (surr.)	1	%	95	108	112	97
13C8-PFOA (surr.)	1	%	99	105	105	100
13C5-PFNA (surr.)	1	%	101	104	103	101
13C6-PFDA (surr.)	1	%	101	105	108	98
13C2-PFUnDA (surr.)	1	%	107	97	111	98
13C2-PFDoDA (surr.)	1	%	109	103	118	97
13C2-PFTeDA (surr.)	1	%	106	103	110	102
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	%	91	88	88	94
D3-N-MeFOSA (surr.)	1	%	82	85	81	82
D5-N-EtFOSA (surr.)	1	%	84	89	85	83
D7-N-MeFOSE (surr.)	1	%	83	94	86	85
D9-N-EtFOSE (surr.)	1	%	86	90	87	87
D5-N-EtFOSAA (surr.)	1	%	125	102	148	76
D3-N-MeFOSAA (surr.)	1	%	108	98	115	77

Client Sample ID			AI_TP169_0.1	AI_TP169_0.3	AI_TP168_0.1	AI_TP168_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65741	S21-Oc65742	S21-Oc65743	S21-Oc65744
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	100	104	100	97
18O2-PFHxS (surr.)	1	%	96	100	105	99
13C8-PFOS (surr.)	1	%	99	95	95	97
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	%	110	109	113	104
13C2-6:2 FTSA (surr.)	1	%	105	101	115	99
13C2-8:2 FTSA (surr.)	1	%	124	121	143	117
13C2-10:2 FTSA (surr.)	1	%	123	97	135	100
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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

Client Sample ID			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
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	%	56	87	79	76
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
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

Client Sample ID			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	56	87	79	76
Toluene-d8 (surr.)	1	%	67	110	96	102
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	%	113	129	125	117
p-Terphenyl-d14 (surr.)	1	%	119	133	131	121
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

Client Sample ID			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	100	113	111	100
Tetrachloro-m-xylene (surr.)	1	%	103	115	115	102
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

Client Sample ID			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	113	125	120	118
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 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	%	113	129	125	117
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	115	111	109	124
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5

Client Sample ID			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 2.5
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-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
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
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

Client Sample ID			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	107	126	121	93
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	< 5	< 5	< 5	< 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	%	113	143	119	135
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
Heavy Metals						
Arsenic	2	mg/kg	8.9	5.7	16	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	23	22	31	26
Copper	5	mg/kg	18	22	22	35
Lead	5	mg/kg	27	15	29	28
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	17	7.1	9.7	13
Zinc	5	mg/kg	51	33	37	75
% Moisture	1	%	21	19	22	18
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	%	101	105	104	109
13C5-PFPeA (surr.)	1	%	113	121	124	128
13C5-PFHxA (surr.)	1	%	100	103	111	110
13C4-PFHpA (surr.)	1	%	103	110	110	113
13C8-PFOA (surr.)	1	%	100	105	112	111
13C5-PFNA (surr.)	1	%	106	101	112	106
13C6-PFDA (surr.)	1	%	99	102	106	104
13C2-PFUnDA (surr.)	1	%	107	104	113	108
13C2-PFDoDA (surr.)	1	%	114	107	121	120
13C2-PFTeDA (surr.)	1	%	111	108	112	112

Client Sample ID			AI_TP163_0.1	AI_TP163_0.3	AI_TP158_0.1	AI_TP158_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65745	S21-Oc65746	S21-Oc65747	S21-Oc65748
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	90	94	90	92
D3-N-MeFOSA (surr.)	1	%	82	87	80	89
D5-N-EtFOSA (surr.)	1	%	79	91	82	88
D7-N-MeFOSE (surr.)	1	%	89	96	85	92
D9-N-EtFOSE (surr.)	1	%	84	94	87	92
D5-N-EtFOSAA (surr.)	1	%	116	101	147	109
D3-N-MeFOSAA (surr.)	1	%	116	106	118	99
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	%	105	102	106	111
18O2-PFHxS (surr.)	1	%	104	107	107	109
13C8-PFOS (surr.)	1	%	95	101	103	103
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	%	116	104	123	122
13C2-6:2 FTSA (surr.)	1	%	107	104	122	112
13C2-8:2 FTSA (surr.)	1	%	133	113	143	130
13C2-10:2 FTSA (surr.)	1	%	135	103	143	108
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	39	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	300	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	550	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	889	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	66	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	66	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	710	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	410	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	1186	< 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	%	81	88	90	91
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
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

Client Sample ID			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	81	88	90	91
Toluene-d8 (surr.)	1	%	112	111	113	115
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	1.2	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	2.4	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5

Client Sample ID			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Phenanthrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	123	116	120	123
p-Terphenyl-d14 (surr.)	1	%	108	119	116	122
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	70	97	105	103
Tetrachloro-m-xylene (surr.)	1	%	96	100	99	103
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 5	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2

Client Sample ID			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 5	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 5	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	97	112	115	118
Semivolatile Organics						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	1.2	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	2.4	1.2	1.2	1.2
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 10	< 5	< 5	< 5
1-Chloronaphthalene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1-Naphthylamine	0.5	mg/kg	< 2	< 1	< 1	< 1
1.2-Dichlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.2.3-Trichlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.2.3.4-Tetrachlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.2.3.5-Tetrachlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.2.4-Trichlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.2.4.5-Tetrachlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.3.5-Trichlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2-Chloronaphthalene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2-Chlorophenol	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	123	116	120	123
2-Methylnaphthalene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 1	< 0.2	< 0.2	< 0.2
2-Naphthylamine	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
2-Nitrophenol	1	mg/kg	< 2	< 1	< 1	< 1
2-Picoline	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2.3.4.6-Tetrachlorophenol	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2.4-Dimethylphenol	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 10	< 5	< 5	< 5

Client Sample ID			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
2.4-Dinitrotoluene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 2	< 1	< 1	< 1
2.4.6-Tribromophenol (surr.)	1	%	93	107	121	119
2.4.6-Trichlorophenol	1	mg/kg	< 2	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 2	< 0.4	< 0.4	< 0.4
3-Methylcholanthrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
3.3'-Dichlorobenzidine	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
4-Aminobiphenyl	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 2	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 10	< 5	< 5	< 5
4.4'-DDD	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
4.4'-DDE	0.5	mg/kg	< 1	< 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	< 5	< 2.5	< 2.5	< 2.5
a-HCH	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Acenaphthene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Acetophenone	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Aldrin	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Aniline	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
b-HCH	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Benzyl chloride	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Bis(2-chloroethoxy)methane	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Bis(2-chloroisopropyl)ether	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Bis(2-ethylhexyl)phthalate	5	mg/kg	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
d-HCH	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Di-n-butyl phthalate	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Di-n-octyl phthalate	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Dibenz(a.j)acridine	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Dibenzofuran	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Dieldrin	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Diethyl phthalate	0.5	mg/kg	1.5	< 0.5	< 0.5	< 0.5
Dimethyl phthalate	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Dimethylaminoazobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Diphenylamine	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Endosulfan I	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5

Client Sample ID			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
Endosulfan II	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Endosulfan sulphate	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Endrin	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Endrin aldehyde	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Endrin ketone	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
g-HCH (Lindane)	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Heptachlor	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Heptachlor epoxide	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Hexachlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Hexachlorocyclopentadiene	1	mg/kg	< 1	< 1	< 1	< 1
Hexachloroethane	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Methoxychlor	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
N-Nitrosodibutylamine	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
N-Nitrosodipropylamine	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
N-Nitrosopiperidine	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Nitrobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Nitrobenzene-d5 (surr.)	1	%	141	96	106	109
Pentachlorobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Pentachloronitrobenzene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Pentachlorophenol	1	mg/kg	< 2	< 1	< 1	< 1
Phenanthrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Phenol	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	125	128	128	136
Pronamide	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Trifluralin	0.5	mg/kg	< 1	< 0.5	< 0.5	< 0.5
Heavy Metals						
Arsenic	2	mg/kg	7.0	11	12	9.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	23	33	32
Copper	5	mg/kg	19	17	15	23
Lead	5	mg/kg	30	15	27	19
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	7.2	8.5	6.6
Zinc	5	mg/kg	51	29	26	28
% Moisture	1	%	18	12	13	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

Client Sample ID			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
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	%	94	99	92	93
13C5-PFPeA (surr.)	1	%	102	118	111	115
13C5-PFHxA (surr.)	1	%	90	110	105	99
13C4-PFHpA (surr.)	1	%	91	98	97	95
13C8-PFOA (surr.)	1	%	88	102	99	94
13C5-PFNA (surr.)	1	%	85	103	100	92
13C6-PFDA (surr.)	1	%	77	102	99	96
13C2-PFUnDA (surr.)	1	%	75	104	92	95
13C2-PFDoDA (surr.)	1	%	80	106	103	103
13C2-PFTeDA (surr.)	1	%	72	120	110	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	%	63	93	89	92
D3-N-MeFOSA (surr.)	1	%	60	92	88	83
D5-N-EtFOSA (surr.)	1	%	62	94	88	91
D7-N-MeFOSE (surr.)	1	%	57	90	85	84
D9-N-EtFOSE (surr.)	1	%	54	92	88	88
D5-N-EtFOSAA (surr.)	1	%	119	90	125	83
D3-N-MeFOSAA (surr.)	1	%	91	81	87	81
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	%	102	108	105	99
18O2-PFHxS (surr.)	1	%	98	107	98	98
13C8-PFOS (surr.)	1	%	93	106	106	105

Client Sample ID			AI_TP167_0.1	AI_TP167_0.3	AI_TP171_0.1	AI_TP171_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65749	S21-Oc65750	S21-Oc65751	S21-Oc65752
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	166	111	105	103
13C2-6:2 FTSA (surr.)	1	%	193	102	97	92
13C2-8:2 FTSA (surr.)	1	%	INT	118	125	109
13C2-10:2 FTSA (surr.)	1	%	INT	112	109	96
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	52	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	52	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	84	61	85	60

Client Sample ID			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
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
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

Client Sample ID			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	84	61	85	60
Toluene-d8 (surr.)	1	%	100	70	110	64
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	%	124	121	134	122
p-Terphenyl-d14 (surr.)	1	%	119	121	126	120
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			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	106	109	89	104
Tetrachloro-m-xylene (surr.)	1	%	101	102	109	101
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	%	119	119	113	117

Client Sample ID			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	124	121	134	122
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	120	117	117	122
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 2.5	< 2.5	< 2.5	< 2.5
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

Client Sample ID			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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-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
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
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

Client Sample ID			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
Nitrobenzene-d5 (surr.)	1	%	109	107	120	106
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	%	120	136	138	134
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
Heavy Metals						
Arsenic	2	mg/kg	6.9	9.1	9.6	9.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	28	26	23
Copper	5	mg/kg	17	22	22	30
Lead	5	mg/kg	24	16	27	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.6	8.1	17	11
Zinc	5	mg/kg	47	37	70	51
% Moisture	1	%	16	18	11	15
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	92	89	89
13C5-PFPeA (surr.)	1	%	112	111	107	107
13C5-PFHxA (surr.)	1	%	98	96	94	95
13C4-PFHpA (surr.)	1	%	96	94	99	88
13C8-PFOA (surr.)	1	%	98	97	98	91
13C5-PFNA (surr.)	1	%	99	95	101	92
13C6-PFDA (surr.)	1	%	103	94	101	88
13C2-PFUnDA (surr.)	1	%	96	93	109	97
13C2-PFDoDA (surr.)	1	%	118	98	110	103
13C2-PFTeDA (surr.)	1	%	105	102	110	97

Client Sample ID			AI_TP172_0.1	AI_TP172_0.3	AI_TP170_0.1	AI_TP170_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65753	S21-Oc65754	S21-Oc65755	S21-Oc65756
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	94	89	90	89
D3-N-MeFOSA (surr.)	1	%	89	87	85	83
D5-N-EtFOSA (surr.)	1	%	92	88	87	86
D7-N-MeFOSE (surr.)	1	%	91	83	82	78
D9-N-EtFOSE (surr.)	1	%	87	86	81	83
D5-N-EtFOSAA (surr.)	1	%	128	90	127	87
D3-N-MeFOSAA (surr.)	1	%	97	86	115	74
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	%	106	97	100	97
18O2-PFHxS (surr.)	1	%	103	95	104	91
13C8-PFOS (surr.)	1	%	105	97	100	94
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	%	108	95	116	98
13C2-6:2 FTSA (surr.)	1	%	111	92	107	85
13C2-8:2 FTSA (surr.)	1	%	144	109	152	101
13C2-10:2 FTSA (surr.)	1	%	120	96	159	99
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	85	79	98	93
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
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

Client Sample ID			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	85	79	98	93
Toluene-d8 (surr.)	1	%	85	68	93	87
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			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	105	110	107	124
p-Terphenyl-d14 (surr.)	1	%	102	110	103	122
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	%	102	102	110	120
Tetrachloro-m-xylene (surr.)	1	%	104	110	105	124
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			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	120	122	125	139
Semivolatile Organics						
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
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	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-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	%	105	110	107	124
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	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitroaniline	1	mg/kg	< 1	< 1	< 1	< 1
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

Client Sample ID			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
2.4-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	126	147	136	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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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
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
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

Client Sample ID			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	125	124	128	150
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	%	113	128	117	140
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
Heavy Metals						
Arsenic	2	mg/kg	5.1	5.1	9.6	8.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	18	18	14
Copper	5	mg/kg	11	16	19	22
Lead	5	mg/kg	13	12	20	11
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.8	6.3	16	8.4
Zinc	5	mg/kg	18	24	42	31
% Moisture	1	%	22	23	18	6.0
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

Client Sample ID			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
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	%	88	91	92	92
13C5-PFPeA (surr.)	1	%	106	108	106	111
13C5-PFHxA (surr.)	1	%	93	93	94	96
13C4-PFHpA (surr.)	1	%	93	90	97	94
13C8-PFOA (surr.)	1	%	96	93	97	91
13C5-PFNA (surr.)	1	%	93	95	100	98
13C6-PFDA (surr.)	1	%	94	92	101	92
13C2-PFUnDA (surr.)	1	%	102	97	110	100
13C2-PFDoDA (surr.)	1	%	103	102	115	98
13C2-PFTeDA (surr.)	1	%	101	94	103	98
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	%	85	88	91	91
D3-N-MeFOSA (surr.)	1	%	79	84	84	86
D5-N-EtFOSA (surr.)	1	%	80	86	85	91
D7-N-MeFOSE (surr.)	1	%	74	82	82	88
D9-N-EtFOSE (surr.)	1	%	78	84	83	88
D5-N-EtFOSAA (surr.)	1	%	134	77	144	67
D3-N-MeFOSAA (surr.)	1	%	102	73	130	63
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	%	104	99	99	97
18O2-PFHxS (surr.)	1	%	97	95	105	95
13C8-PFOS (surr.)	1	%	99	102	101	98

Client Sample ID			AI_TP165_0.1	AI_TP165_0.3	AI_TP166_0.1	AI_TP166_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65757	S21-Oc65758	S21-Oc65759	S21-Oc65760
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	119	97	117	102
13C2-6:2 FTSA (surr.)	1	%	106	89	112	90
13C2-8:2 FTSA (surr.)	1	%	149	106	155	111
13C2-10:2 FTSA (surr.)	1	%	139	98	163	94
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5
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
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	%	105	84	131

Client Sample ID			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	84	131
Toluene-d8 (surr.)	1	%	105	106	86
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	%	119	122	122
p-Terphenyl-d14 (surr.)	1	%	116	124	125
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

Client Sample ID			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit			
Organochlorine Pesticides					
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	%	112	104	101
Tetrachloro-m-xylene (surr.)	1	%	119	103	105
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	%	135	118	112

Client Sample ID			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit			
Semivolatile Organics					
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
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	< 1	< 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	%	119	122	122
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	121	109
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-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5
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	< 2.5	< 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

Client Sample ID			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit			
Semivolatile Organics					
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-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
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

Client Sample ID			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
Test/Reference	LOR	Unit			
Semivolatile Organics					
Nitrobenzene-d5 (surr.)	1	%	143	107	120
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	< 5
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	%	126	121	131
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
Heavy Metals					
Arsenic	2	mg/kg	8.0	11	7.1
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	26	23
Copper	5	mg/kg	26	28	31
Lead	5	mg/kg	17	28	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	20	6.1
Zinc	5	mg/kg	42	47	29
% Moisture	1	%	14	23	17
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	%	94	91	94
13C5-PFPeA (surr.)	1	%	118	112	112
13C5-PFHxA (surr.)	1	%	102	96	101
13C4-PFHpA (surr.)	1	%	97	91	95
13C8-PFOA (surr.)	1	%	99	91	93
13C5-PFNA (surr.)	1	%	96	96	93
13C6-PFDA (surr.)	1	%	93	92	89
13C2-PFUnDA (surr.)	1	%	98	104	97
13C2-PFDoDA (surr.)	1	%	104	98	97
13C2-PFTeDA (surr.)	1	%	102	97	95

Client Sample ID			AI_TP160_0.3	AI_1B_20211027_D01	AI_1B_20211027_D02
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S21-Oc65761	S21-Oc65762	S21-Oc65763
Date Sampled			Oct 27, 2021	Oct 27, 2021	Oct 27, 2021
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	%	91	84	90
D3-N-MeFOSA (surr.)	1	%	87	86	86
D5-N-EtFOSA (surr.)	1	%	93	88	88
D7-N-MeFOSE (surr.)	1	%	89	87	87
D9-N-EtFOSE (surr.)	1	%	89	84	87
D5-N-EtFOSAA (surr.)	1	%	92	93	67
D3-N-MeFOSAA (surr.)	1	%	94	94	66
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	%	100	102	95
18O2-PFHxS (surr.)	1	%	99	94	90
13C8-PFOS (surr.)	1	%	98	96	97
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	%	106	99	98
13C2-6:2 FTSA (surr.)	1	%	93	93	89
13C2-8:2 FTSA (surr.)	1	%	121	109	103
13C2-10:2 FTSA (surr.)	1	%	103	109	88
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

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 11, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 11, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 11, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Nov 11, 2021	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Nov 11, 2021	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Nov 11, 2021	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Nov 11, 2021	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Metals M8	Sydney	Nov 11, 2021	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Nov 11, 2021	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Nov 11, 2021	14 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
% Moisture	Sydney	Nov 11, 2021	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Nov 11, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Nov 11, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Nov 11, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Nov 11, 2021	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Nov 11, 2021	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
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Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 836571
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 27, 2021 2:55 PM
Due: Nov 3, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	AI_1B_TP27_0.4	Oct 27, 2021		Soil	S21-No01138			X						
2	AI_TP159_0.3	Oct 27, 2021		Soil	S21-No01139			X						
3	AI_1B_20211027_T04	Oct 27, 2021		Soil	S21-No24643			X						
4	AI_1B_TP20_0.1	Oct 27, 2021		Soil	S21-Oc65708	X				X	X	X	X	
5	AI_1B_TP20_0.4	Oct 27, 2021		Soil	S21-Oc65709					X	X	X	X	
6	AI_1B_TP15_0.1	Oct 27, 2021		Soil	S21-Oc65710	X				X	X	X	X	

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
7	AI_1B_TP15_0.4	Oct 27, 2021		Soil	S21-Oc65711					X	X	X	X	
8	AI_1B_TP16_0.1	Oct 27, 2021		Soil	S21-Oc65712	X				X	X	X	X	
9	AI_1B_TP16_0.4	Oct 27, 2021		Soil	S21-Oc65713					X	X	X	X	
10	AI_1B_TP17_0.1	Oct 27, 2021		Soil	S21-Oc65714	X				X	X	X	X	
11	AI_1B_TP17_0.4	Oct 27, 2021		Soil	S21-Oc65715					X	X	X	X	
12	AI_1B_TP18_0.1	Oct 27, 2021		Soil	S21-Oc65716	X				X	X	X	X	
13	AI_1B_TP18_	Oct 27, 2021		Soil	S21-Oc65717					X	X	X		

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
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Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
13	AI_1B_TP18_0.4	Oct 27, 2021		Soil	S21-Oc65717									
14	AI_1B_TP12_0.1	Oct 27, 2021		Soil	S21-Oc65718	X				X	X	X	X	
15	AI_1B_TP12_0.3	Oct 27, 2021		Soil	S21-Oc65719					X	X	X	X	
16	AI_1B_TP11_0.1	Oct 27, 2021		Soil	S21-Oc65720	X				X	X	X	X	
17	AI_1B_TP11_0.3	Oct 27, 2021		Soil	S21-Oc65721					X	X	X	X	
18	AI_1B_TP10_0.1	Oct 27, 2021		Soil	S21-Oc65722	X				X	X	X	X	
19	AI_1B_TP10_	Oct 27, 2021		Soil	S21-Oc65723					X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
	0.3													
20	AI_1B_TP09_0.1	Oct 27, 2021		Soil	S21-Oc65724	X				X	X	X	X	
21	AI_1B_TP09_0.3	Oct 27, 2021		Soil	S21-Oc65725					X	X	X	X	
22	AI_1B_TP13_0.1	Oct 27, 2021		Soil	S21-Oc65726	X				X	X	X	X	
23	AI_1B_TP13_0.3	Oct 27, 2021		Soil	S21-Oc65727					X	X	X	X	
24	AI_1B_TP06_0.1	Oct 27, 2021		Soil	S21-Oc65728	X				X	X	X	X	
25	AI_1B_TP06_0.3	Oct 27, 2021		Soil	S21-Oc65729					X	X	X	X	

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
26	AI_1B_TP04_0.1	Oct 27, 2021		Soil	S21-Oc65730	X				X	X	X	X	
27	AI_1B_TP04_0.3	Oct 27, 2021		Soil	S21-Oc65731					X	X	X	X	
28	AI_1B_TP03_0.1	Oct 27, 2021		Soil	S21-Oc65732	X				X	X	X	X	
29	AI_1B_TP03_0.3	Oct 27, 2021		Soil	S21-Oc65733					X	X	X	X	
30	AI_1B_TP02_0.1	Oct 27, 2021		Soil	S21-Oc65734	X				X	X	X	X	
31	AI_1B_TP02_0.3	Oct 27, 2021		Soil	S21-Oc65735					X	X	X	X	
32	AI_1B_TP05_	Oct 27, 2021		Soil	S21-Oc65736	X				X	X	X	X	

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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
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NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 836571
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 27, 2021 2:55 PM
Due: Nov 3, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
	0.1													
33	AI_1B_TP05_0.3	Oct 27, 2021		Soil	S21-Oc65737					X	X	X	X	
34	AI_TP159_0.1	Oct 27, 2021		Soil	S21-Oc65738		X							
35	AI_TP164_0.1	Oct 27, 2021		Soil	S21-Oc65739	X				X	X	X	X	
36	AI_TP164_0.4	Oct 27, 2021		Soil	S21-Oc65740					X	X	X	X	
37	AI_TP169_0.1	Oct 27, 2021		Soil	S21-Oc65741	X				X	X	X	X	
38	AI_TP169_0.3	Oct 27, 2021		Soil	S21-Oc65742					X	X	X	X	
39	AI_TP168_0.1	Oct 27, 2021		Soil	S21-Oc65743	X				X	X	X	X	
40	AI_TP168_0.3	Oct 27, 2021		Soil	S21-Oc65744					X	X	X	X	
41	AI_TP163_0.1	Oct 27, 2021		Soil	S21-Oc65745	X				X	X	X	X	

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NATA # 1261 Site # 18217

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
42	AI_TP163_0.3	Oct 27, 2021		Soil	S21-Oc65746					X	X	X	X	
43	AI_TP158_0.1	Oct 27, 2021		Soil	S21-Oc65747	X				X	X	X	X	
44	AI_TP158_0.3	Oct 27, 2021		Soil	S21-Oc65748					X	X	X	X	
45	AI_TP167_0.1	Oct 27, 2021		Soil	S21-Oc65749	X				X	X	X	X	
46	AI_TP167_0.3	Oct 27, 2021		Soil	S21-Oc65750					X	X	X	X	
47	AI_TP171_0.1	Oct 27, 2021		Soil	S21-Oc65751	X				X	X	X	X	
48	AI_TP171_0.3	Oct 27, 2021		Soil	S21-Oc65752					X	X	X	X	
49	AI_TP172_0.1	Oct 27, 2021		Soil	S21-Oc65753	X				X	X	X	X	
50	AI_TP172_0.3	Oct 27, 2021		Soil	S21-Oc65754					X	X	X	X	
51	AI_TP170_0.1	Oct 27, 2021		Soil	S21-Oc65755	X				X	X	X	X	
52	AI_TP170_0.3	Oct 27, 2021		Soil	S21-Oc65756					X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
53	AI_TP165_0.1	Oct 27, 2021		Soil	S21-Oc65757	X				X	X	X	X	
54	AI_TP165_0.3	Oct 27, 2021		Soil	S21-Oc65758					X	X	X	X	
55	AI_TP166_0.1	Oct 27, 2021		Soil	S21-Oc65759	X				X	X	X	X	
56	AI_TP166_0.3	Oct 27, 2021		Soil	S21-Oc65760					X	X	X	X	
57	AI_TP160_0.3	Oct 27, 2021		Soil	S21-Oc65761					X	X	X	X	
58	AI_1B_20211027_D01	Oct 27, 2021		Soil	S21-Oc65762					X	X	X	X	
59	AI_1B_20211027_D02	Oct 27, 2021		Soil	S21-Oc65763					X	X	X	X	
60	AI_1B_20211027_D03	Oct 27, 2021		Soil	S21-Oc65764		X							
61	AI_1B_202110	Oct 27, 2021		Soil	S21-Oc65765		X							

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
61	AI_1B_20211027_D04	Oct 27, 2021		Soil	S21-Oc65765									
62	AI_TRIP SPIKE	Oct 27, 2021		Water	S21-Oc65766									X
63	AI_TRIP BLANK	Oct 27, 2021		Water	S21-Oc65767				X					
Test Counts						26	3	3	1	55	55	55	54	1

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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QC Data General Comments

1. Where a result is reported as a 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 is 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	
Naphthalene	mg/kg	< 0.5			0.5	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	
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	
Benzene	mg/kg	< 0.1			0.1	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	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	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	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-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	95			70-130	Pass	
TRH C10-C14	%	88			70-130	Pass	
Naphthalene	%	107			70-130	Pass	
TRH C6-C10	%	89			70-130	Pass	
TRH >C10-C16	%	96			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	111			70-130	Pass	
Toluene	%	91			70-130	Pass	
Ethylbenzene	%	92			70-130	Pass	
m&p-Xylenes	%	97			70-130	Pass	
o-Xylene	%	99			70-130	Pass	
Xylenes - Total*	%	98			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	86			70-130	Pass	
1.1.1-Trichloroethane	%	91			70-130	Pass	
1.2-Dichlorobenzene	%	99			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.2-Dichloroethane	%	102			70-130	Pass	
Benzene	%	119			70-130	Pass	
Ethylbenzene	%	100			70-130	Pass	
m&p-Xylenes	%	106			70-130	Pass	
o-Xylene	%	103			70-130	Pass	
Toluene	%	110			70-130	Pass	
Trichloroethene	%	81			70-130	Pass	
Xylenes - Total*	%	105			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	79			70-130	Pass	
Acenaphthylene	%	79			70-130	Pass	
Anthracene	%	83			70-130	Pass	
Benz(a)anthracene	%	82			70-130	Pass	
Benzo(a)pyrene	%	84			70-130	Pass	
Benzo(b&j)fluoranthene	%	84			70-130	Pass	
Benzo(g.h.i)perylene	%	72			70-130	Pass	
Benzo(k)fluoranthene	%	88			70-130	Pass	
Chrysene	%	80			70-130	Pass	
Dibenz(a.h)anthracene	%	74			70-130	Pass	
Fluoranthene	%	77			70-130	Pass	
Fluorene	%	81			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	73			70-130	Pass	
Naphthalene	%	80			70-130	Pass	
Phenanthrene	%	81			70-130	Pass	
Pyrene	%	77			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	94			70-130	Pass	
4.4'-DDD	%	94			70-130	Pass	
4.4'-DDE	%	95			70-130	Pass	
4.4'-DDT	%	85			70-130	Pass	
a-HCH	%	90			70-130	Pass	
Aldrin	%	88			70-130	Pass	
b-HCH	%	96			70-130	Pass	
d-HCH	%	96			70-130	Pass	
Dieldrin	%	89			70-130	Pass	
Endosulfan I	%	94			70-130	Pass	
Endosulfan II	%	92			70-130	Pass	
Endosulfan sulphate	%	73			70-130	Pass	
Endrin	%	82			70-130	Pass	
Endrin aldehyde	%	79			70-130	Pass	
Endrin ketone	%	74			70-130	Pass	
g-HCH (Lindane)	%	91			70-130	Pass	
Heptachlor	%	119			70-130	Pass	
Heptachlor epoxide	%	94			70-130	Pass	
Hexachlorobenzene	%	94			70-130	Pass	
Methoxychlor	%	128			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	82			70-130	Pass	
Dimethoate	%	86			70-130	Pass	
Ethion	%	123			70-130	Pass	
Fenitrothion	%	128			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mevinphos	%	84			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	108			25-140	Pass	
1.2.4-Trichlorobenzene	%	98			70-130	Pass	
1.3-Dichlorobenzene	%	103			70-130	Pass	
1.4-Dichlorobenzene	%	102			70-130	Pass	
2-Chlorophenol	%	74			25-140	Pass	
2-Methylphenol (o-Cresol)	%	72			25-140	Pass	
2-Nitrophenol	%	123			25-140	Pass	
2.4-Dichlorophenol	%	77			25-140	Pass	
2.4-Dimethylphenol	%	73			25-140	Pass	
2.4-Dinitrophenol	%	79			25-140	Pass	
2.4-Dinitrotoluene	%	116			70-130	Pass	
2.4.5-Trichlorophenol	%	74			25-140	Pass	
2.4.6-Trichlorophenol	%	70			25-140	Pass	
2.6-Dichlorophenol	%	73			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	87			25-140	Pass	
4-Chloro-3-methylphenol	%	86			25-140	Pass	
4-Nitrophenol	%	107			25-140	Pass	
Acenaphthene	%	102			70-130	Pass	
N-Nitrosodipropylamine	%	103			70-130	Pass	
Pentachlorophenol	%	70			25-140	Pass	
Phenol	%	81			25-140	Pass	
Pyrene	%	100			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	80			80-120	Pass	
Cadmium	%	84			80-120	Pass	
Chromium	%	84			80-120	Pass	
Copper	%	83			80-120	Pass	
Lead	%	81			80-120	Pass	
Mercury	%	95			80-120	Pass	
Nickel	%	83			80-120	Pass	
Zinc	%	83			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	100			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	107			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	106			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	103			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	106			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	101			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	104			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	113			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	110			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	102			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	107			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	99			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	103			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	101			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	%	104			50-150	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)			%	98			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)			%	105			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)			%	107			50-150	Pass	
LCS - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)									
Perfluorobutanesulfonic acid (PFBS)			%	85			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)			%	94			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)			%	94			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)			%	89			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)			%	98			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)			%	93			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)			%	94			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)			%	67			50-150	Pass	
LCS - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)									
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)			%	91			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)			%	96			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)			%	93			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)			%	99			50-150	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Methoxychlor	S21-No07888	NCP	%	108			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Fenitrothion	S21-No07888	NCP	%	120			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S21-Oc65708	CP	%	93			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc65708	CP	%	91			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc65708	CP	%	95			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc65708	CP	%	95			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc65708	CP	%	102			50-150	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc65708	CP	%	98			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc65708	CP	%	99			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc65708	CP	%	99			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc65708	CP	%	101			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc65708	CP	%	103			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc65708	CP	%	98			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S21-Oc65708	CP	%	92			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc65708	CP	%	94			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc65708	CP	%	96			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc65708	CP	%	91			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc65708	CP	%	96			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc65708	CP	%	94			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc65708	CP	%	96			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S21-Oc65708	CP	%	80			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc65708	CP	%	96			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc65708	CP	%	84			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc65708	CP	%	76			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc65708	CP	%	87			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc65708	CP	%	89			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc65708	CP	%	91			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc65708	CP	%	72			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S21-Oc65708	CP	%	90			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc65708	CP	%	93			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc65708	CP	%	90			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc65708	CP	%	90			50-150	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
Naphthalene	S21-Oc65709	CP	%	73			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc65709	CP	%	105			70-130	Pass	
Toluene	S21-Oc65709	CP	%	95			70-130	Pass	
Ethylbenzene	S21-Oc65709	CP	%	87			70-130	Pass	
m&p-Xylenes	S21-Oc65709	CP	%	91			70-130	Pass	
o-Xylene	S21-Oc65709	CP	%	90			70-130	Pass	
Xylenes - Total*	S21-Oc65709	CP	%	90			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	S21-Oc65709	CP	%	111			70-130	Pass	
1.1.1-Trichloroethane	S21-Oc65709	CP	%	81			70-130	Pass	
1.2-Dichlorobenzene	S21-Oc65709	CP	%	88			70-130	Pass	
1.2-Dichloroethane	S21-Oc65709	CP	%	102			70-130	Pass	
Trichloroethene	S21-Oc65709	CP	%	87			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S21-Oc65714	CP	%	106			70-130	Pass	
Pyrene	S21-Oc65714	CP	%	110			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Semivolatile Organics				Result 1					
4-Chloro-3-methylphenol	S21-Oc65714	CP	%	93			30-130	Pass	
4-Nitrophenol	S21-Oc65714	CP	%	119			30-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthylene	S21-Oc52731	NCP	%	76			70-130	Pass	
Anthracene	S21-Oc52731	NCP	%	71			70-130	Pass	
Benz(a)anthracene	S21-Oc57119	NCP	%	81			70-130	Pass	
Benzo(a)pyrene	S21-Oc57119	NCP	%	86			70-130	Pass	
Benzo(b&j)fluoranthene	S21-Oc57119	NCP	%	81			70-130	Pass	
Benzo(g.h.i)perylene	S21-Oc57119	NCP	%	75			70-130	Pass	
Benzo(k)fluoranthene	S21-Oc52731	NCP	%	70			70-130	Pass	
Chrysene	S21-Oc52731	NCP	%	73			70-130	Pass	
Dibenz(a.h)anthracene	S21-Oc57119	NCP	%	80			70-130	Pass	
Fluoranthene	S21-Oc52731	NCP	%	70			70-130	Pass	
Fluorene	S21-Oc52731	NCP	%	87			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc57119	NCP	%	79			70-130	Pass	
Naphthalene	S21-Oc57119	NCP	%	81			70-130	Pass	
Phenanthrene	S21-Oc57119	NCP	%	82			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Endrin ketone	S21-Oc52731	NCP	%	70			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Methyl parathion	S21-Oc52731	NCP	%	111			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S21-Oc65717	CP	%	121			75-125	Pass	
Cadmium	S21-Oc65717	CP	%	113			75-125	Pass	
Chromium	S21-Oc65717	CP	%	116			75-125	Pass	
Copper	S21-Oc65717	CP	%	101			75-125	Pass	
Lead	S21-Oc65717	CP	%	108			75-125	Pass	
Mercury	S21-Oc65717	CP	%	106			75-125	Pass	
Nickel	S21-Oc65717	CP	%	102			75-125	Pass	
Zinc	S21-Oc65717	CP	%	107			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
Naphthalene	S21-Oc65719	CP	%	81			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc65719	CP	%	97			70-130	Pass	
Toluene	S21-Oc65719	CP	%	95			70-130	Pass	
Ethylbenzene	S21-Oc65719	CP	%	86			70-130	Pass	
m&p-Xylenes	S21-Oc65719	CP	%	91			70-130	Pass	
o-Xylene	S21-Oc65719	CP	%	90			70-130	Pass	
Xylenes - Total*	S21-Oc65719	CP	%	91			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	S21-Oc65719	CP	%	72			70-130	Pass	
1.1.1-Trichloroethane	S21-Oc65719	CP	%	76			70-130	Pass	
1.2-Dichlorobenzene	S21-Oc65719	CP	%	83			70-130	Pass	
1.2-Dichloroethane	S21-Oc65719	CP	%	93			70-130	Pass	
Trichloroethene	S21-Oc65719	CP	%	81			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S21-Oc65720	CP	%	88			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc65720	CP	%	89			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc65720	CP	%	95			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc65720	CP	%	94			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc65720	CP	%	96			50-150	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc65720	CP	%	96			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc65720	CP	%	97			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc65720	CP	%	97			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc65720	CP	%	95			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc65720	CP	%	89			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc65720	CP	%	99			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S21-Oc65720	CP	%	90			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc65720	CP	%	96			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc65720	CP	%	93			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc65720	CP	%	90			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc65720	CP	%	90			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc65720	CP	%	87			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc65720	CP	%	99			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S21-Oc65720	CP	%	80			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc65720	CP	%	93			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc65720	CP	%	83			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc65720	CP	%	76			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc65720	CP	%	83			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc65720	CP	%	87			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc65720	CP	%	87			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc65720	CP	%	64			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S21-Oc65720	CP	%	85			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc65720	CP	%	81			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc65720	CP	%	86			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc65720	CP	%	93			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S21-Oc65726	CP	%	95			75-125	Pass	
Cadmium	S21-Oc65726	CP	%	91			75-125	Pass	
Chromium	S21-Oc65726	CP	%	113			75-125	Pass	
Copper	S21-Oc65726	CP	%	89			75-125	Pass	
Lead	S21-Oc65726	CP	%	115			75-125	Pass	
Mercury	S21-Oc65726	CP	%	91			75-125	Pass	
Nickel	S21-Oc65726	CP	%	93			75-125	Pass	
Zinc	S21-Oc65726	CP	%	106			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S21-Oc65730	CP	%	89			70-130	Pass	
Pyrene	S21-Oc65730	CP	%	90			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S21-Oc65730	CP	%	89			70-130	Pass	
4.4'-DDD	S21-Oc65730	CP	%	88			70-130	Pass	
4.4'-DDE	S21-Oc65730	CP	%	89			70-130	Pass	
4.4'-DDT	S21-Oc65730	CP	%	90			70-130	Pass	
a-HCH	S21-Oc65730	CP	%	83			70-130	Pass	
Aldrin	S21-Oc65730	CP	%	84			70-130	Pass	
b-HCH	S21-Oc65730	CP	%	89			70-130	Pass	
d-HCH	S21-Oc65730	CP	%	89			70-130	Pass	
Dieldrin	S21-Oc65730	CP	%	84			70-130	Pass	
Endosulfan I	S21-Oc65730	CP	%	90			70-130	Pass	
Endosulfan II	S21-Oc65730	CP	%	84			70-130	Pass	
Endrin	S21-Oc65730	CP	%	86			70-130	Pass	
g-HCH (Lindane)	S21-Oc65730	CP	%	87			70-130	Pass	
Heptachlor	S21-Oc65730	CP	%	126			70-130	Pass	
Heptachlor epoxide	S21-Oc65730	CP	%	90			70-130	Pass	
Hexachlorobenzene	S21-Oc65730	CP	%	87			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S21-Oc65730	CP	%	80			70-130	Pass	
Dimethoate	S21-Oc65730	CP	%	89			70-130	Pass	
Ethion	S21-Oc65730	CP	%	125			70-130	Pass	
Mevinphos	S21-Oc65730	CP	%	96			70-130	Pass	
Spike - % Recovery									
Semivolatile Organics				Result 1					
4-Chloro-3-methylphenol	S21-Oc65730	CP	%	88			30-130	Pass	
4-Nitrophenol	S21-Oc65730	CP	%	127			30-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S21-Oc65748	CP	%	79			70-130	Pass	
TRH C10-C14	S21-Oc65748	CP	%	84			70-130	Pass	
Naphthalene	S21-Oc65748	CP	%	86			70-130	Pass	
TRH C6-C10	S21-Oc65748	CP	%	76			70-130	Pass	
TRH >C10-C16	S21-Oc65748	CP	%	86			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc65748	CP	%	127			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Toluene	S21-Oc65748	CP	%	121			70-130	Pass	
Ethylbenzene	S21-Oc65748	CP	%	104			70-130	Pass	
m&p-Xylenes	S21-Oc65748	CP	%	103			70-130	Pass	
o-Xylene	S21-Oc65748	CP	%	106			70-130	Pass	
Xylenes - Total*	S21-Oc65748	CP	%	104			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S21-Oc65752	CP	%	93			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc65752	CP	%	93			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc65752	CP	%	96			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc65752	CP	%	97			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc65752	CP	%	102			50-150	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc65752	CP	%	92			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc65752	CP	%	89			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc65752	CP	%	96			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc65752	CP	%	102			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc65752	CP	%	96			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc65752	CP	%	92			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S21-Oc65752	CP	%	87			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc65752	CP	%	93			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc65752	CP	%	90			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc65752	CP	%	94			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc65752	CP	%	87			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc65752	CP	%	86			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc65752	CP	%	89			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S21-Oc65752	CP	%	83			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc65752	CP	%	88			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc65752	CP	%	85			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc65752	CP	%	85			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc65752	CP	%	93			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc65752	CP	%	85			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc65752	CP	%	88			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc65752	CP	%	71			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)	S21-Oc65752	CP	%	84			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc65752	CP	%	90			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc65752	CP	%	88			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc65752	CP	%	88			50-150	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S21-Oc65762	CP	%	88			70-130	Pass	
TRH >C10-C16	S21-Oc65762	CP	%	89			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S21-Oc65762	CP	%	88			75-125	Pass	
Cadmium	S21-Oc65762	CP	%	97			75-125	Pass	
Chromium	S21-Oc65762	CP	%	101			75-125	Pass	
Copper	S21-Oc65762	CP	%	102			75-125	Pass	
Lead	S21-Oc65762	CP	%	109			75-125	Pass	
Mercury	S21-Oc65762	CP	%	89			75-125	Pass	
Nickel	S21-Oc65762	CP	%	100			75-125	Pass	
Zinc	S21-Oc65762	CP	%	95			75-125	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	S21-Oc65708	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc65708	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc65708	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc65708	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc65708	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc65708	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc65708	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc65708	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.3.5-Trimethylbenzene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc65708	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc65713	CP	%	25	25	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc65715	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc65715	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc65715	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc65715	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc65715	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc65715	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Chrysene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc65715	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc65715	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S21-Oc65715	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Methyl parathion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc65715	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc65715	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc65715	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc65715	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc65715	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc65715	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc65715	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
4.4'-DDT	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc65715	CP	mg/kg	< 2.5	< 2.5	<1	30%	Pass	
a-HCH	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc65715	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc65715	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc65715	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc65716	CP	mg/kg	9.7	14	39	30%	Fail	Q15
Cadmium	S21-Oc65716	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc65716	CP	mg/kg	17	24	33	30%	Fail	Q15
Copper	S21-Oc65716	CP	mg/kg	16	21	28	30%	Pass	
Lead	S21-Oc65716	CP	mg/kg	19	27	32	30%	Fail	Q15
Mercury	S21-Oc65716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Nickel	S21-Oc65716	CP	mg/kg	15	14	9.0	30%	Pass	
Zinc	S21-Oc65716	CP	mg/kg	36	45	22	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc65718	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc65718	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc65718	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc65718	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc65718	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc65718	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc65718	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc65718	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Iodomethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc65718	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc65719	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc65719	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc65719	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)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc65719	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc65719	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc65723	CP	%	2.8	2.0	34	30%	Fail	Q15
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc65724	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc65724	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc65724	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc65724	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc65724	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc65724	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc65724	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endrin ketone	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc65724	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S21-Oc65724	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc65724	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc65724	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc65724	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
1.3-Dichlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc65724	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc65724	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc65724	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc65724	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc65724	CP	mg/kg	< 2.5	< 2.5	<1	30%	Pass	
a-HCH	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc65724	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Endosulfan sulphate	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc65724	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc65724	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc65726	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc65726	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc65726	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc65726	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc65726	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc65726	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc65729	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)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc65729	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc65729	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc65729	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)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc65729	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc65729	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc65731	CP	mg/kg	4.9	4.9	1.0	30%	Pass	
Cadmium	S21-Oc65731	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc65731	CP	mg/kg	11	11	3.0	30%	Pass	
Copper	S21-Oc65731	CP	mg/kg	13	13	1.0	30%	Pass	
Lead	S21-Oc65731	CP	mg/kg	7.9	8.1	3.0	30%	Pass	
Mercury	S21-Oc65731	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc65731	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S21-Oc65731	CP	mg/kg	18	19	3.0	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc65733	CP	%	12	12	2.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc65736	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc65736	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc65736	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc65736	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc65736	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc65736	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc65736	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc65736	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc65736	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc65741	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc65741	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc65741	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)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc65741	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc65741	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc65744	CP	%	12	15	25	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc65747	CP	mg/kg	16	13	21	30%	Pass	
Cadmium	S21-Oc65747	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc65747	CP	mg/kg	31	28	10	30%	Pass	
Copper	S21-Oc65747	CP	mg/kg	22	18	21	30%	Pass	
Lead	S21-Oc65747	CP	mg/kg	29	22	24	30%	Pass	
Mercury	S21-Oc65747	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc65747	CP	mg/kg	9.7	7.2	29	30%	Pass	
Zinc	S21-Oc65747	CP	mg/kg	37	27	30	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S21-Oc65749	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S21-Oc65749	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-Oc65749	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S21-Oc65749	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S21-Oc65749	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S21-Oc65749	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S21-Oc65749	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S21-Oc65749	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Chlorobenzene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S21-Oc65749	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S21-Oc65751	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S21-Oc65751	CP	ug/kg	< 10	< 10	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S21-Oc65751	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)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S21-Oc65751	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S21-Oc65751	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S21-Oc65754	CP	%	18	16	13	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc65760	CP	mg/kg	8.3	11	32	30%	Fail	Q15
Cadmium	S21-Oc65760	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc65760	CP	mg/kg	14	15	8.0	30%	Pass	
Copper	S21-Oc65760	CP	mg/kg	22	24	9.0	30%	Pass	
Lead	S21-Oc65760	CP	mg/kg	11	15	30	30%	Pass	
Mercury	S21-Oc65760	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc65760	CP	mg/kg	8.4	12	34	30%	Fail	Q15
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S21-Oc65763	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S21-Oc65763	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S21-Oc65763	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S21-Oc65763	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S21-Oc65763	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S21-Oc65763	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Benzo(k)fluoranthene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S21-Oc65763	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S21-Oc65763	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S21-Oc65763	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Merphos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S21-Oc65763	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S21-Oc65763	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S21-Oc65763	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S21-Oc65763	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Nitroaniline	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S21-Oc65763	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S21-Oc65763	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S21-Oc65763	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
4.4'-DDE	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S21-Oc65763	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S21-Oc65763	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S21-Oc65763	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Phenol	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S21-Oc65763	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S21-Oc65763	CP	mg/kg	7.1	7.3	3.0	30%	Pass	
Cadmium	S21-Oc65763	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S21-Oc65763	CP	mg/kg	23	24	2.0	30%	Pass	
Copper	S21-Oc65763	CP	mg/kg	31	31	<1	30%	Pass	
Lead	S21-Oc65763	CP	mg/kg	16	17	4.0	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Mercury	S21-Oc65763	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S21-Oc65763	CP	mg/kg	6.1	6.5	6.0	30%	Pass	
Zinc	S21-Oc65763	CP	mg/kg	29	31	7.0	30%	Pass	

Comments

This report was revised V2 to include prefix "AI_" to all samples as requested.

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
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:

John Nguyen	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)
Andrew Sullivan	Senior Analyst-PFAS (NSW)
John Nguyen	Senior Analyst-Metal (NSW)
Roopesh Rangarajan	Senior Analyst-Volatile (NSW)

Glenn Jackson
General Manager

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

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention: **Nicholas Grbich**

Report **836571-W-V2**
Project name WPCA BCC
Project ID 0571466
Received Date Oct 27, 2021

Client Sample ID			**AI_TRIP SPIKE**	**AI_TRIP BLANK**
Sample Matrix			**Water**	**Water**
Eurofins Sample No.			**S21-Oc65766**	**S21-Oc65767**
Date Sampled			**Oct 27, 2021**	**Oct 27, 2021**
Test/Reference	LOR	Unit		
BTEX				
Benzene	1	%	120	-
Ethylbenzene	1	%	110	-
m&p-Xylenes	1	%	110	-
o-Xylene	1	%	100	-
Toluene	1	%	110	-
Xylenes - Total	1	%	100	-
4-Bromofluorobenzene (surr.)	1	%	113	-
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	129

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
BTEX	Sydney	Nov 10, 2021	14 Days

- Method: LTM-ORG-2010 TRH C6-C40

eurofins | Environment Testing

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Address: Level 15, 309 Kent St
Sydney
NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 836571
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 27, 2021 2:55 PM
Due: Nov 3, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	AI_1B_TP27_0.4	Oct 27, 2021		Soil	S21-No01138			X						
2	AI_TP159_0.3	Oct 27, 2021		Soil	S21-No01139			X						
3	AI_1B_20211027_T04	Oct 27, 2021		Soil	S21-No24643			X						
4	AI_1B_TP20_0.1	Oct 27, 2021		Soil	S21-Oc65708	X				X	X	X	X	
5	AI_1B_TP20_0.4	Oct 27, 2021		Soil	S21-Oc65709					X	X	X	X	
6	AI_1B_TP15_0.1	Oct 27, 2021		Soil	S21-Oc65710	X				X	X	X	X	

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NSW 2000

Project Name: WPCA BCC
Project ID: 0571466

Order No.:
Report #: 836571
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Oct 27, 2021 2:55 PM
Due: Nov 3, 2021
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
7	AI_1B_TP15_0.4	Oct 27, 2021		Soil	S21-Oc65711					X	X	X	X	
8	AI_1B_TP16_0.1	Oct 27, 2021		Soil	S21-Oc65712	X				X	X	X	X	
9	AI_1B_TP16_0.4	Oct 27, 2021		Soil	S21-Oc65713					X	X	X	X	
10	AI_1B_TP17_0.1	Oct 27, 2021		Soil	S21-Oc65714	X				X	X	X	X	
11	AI_1B_TP17_0.4	Oct 27, 2021		Soil	S21-Oc65715					X	X	X	X	
12	AI_1B_TP18_0.1	Oct 27, 2021		Soil	S21-Oc65716	X				X	X	X	X	
13	AI_1B_TP18_	Oct 27, 2021		Soil	S21-Oc65717					X	X	X		

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Project ID: 0571466

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
13	AI_1B_TP18_0.4	Oct 27, 2021		Soil	S21-Oc65717									
14	AI_1B_TP12_0.1	Oct 27, 2021		Soil	S21-Oc65718	X				X	X	X	X	
15	AI_1B_TP12_0.3	Oct 27, 2021		Soil	S21-Oc65719					X	X	X	X	
16	AI_1B_TP11_0.1	Oct 27, 2021		Soil	S21-Oc65720	X				X	X	X	X	
17	AI_1B_TP11_0.3	Oct 27, 2021		Soil	S21-Oc65721					X	X	X	X	
18	AI_1B_TP10_0.1	Oct 27, 2021		Soil	S21-Oc65722	X				X	X	X	X	
19	AI_1B_TP10_	Oct 27, 2021		Soil	S21-Oc65723					X	X	X	X	

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Company Name:	ERM Sydney	**Order No.:**		**Received:**	Oct 27, 2021 2:55 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	836571	**Due:**	Nov 3, 2021
		Phone:	02 8584 8888	**Priority:**	5 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	WPCA BCC				
Project ID:	0571466				

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	BTEX	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
	0.3													
20	AI_1B_TP09_0.1	Oct 27, 2021		Soil	S21-Oc65724	X				X	X	X	X	
21	AI_1B_TP09_0.3	Oct 27, 2021		Soil	S21-Oc65725					X	X	X	X	
22	AI_1B_TP13_0.1	Oct 27, 2021		Soil	S21-Oc65726	X				X	X	X	X	
23	AI_1B_TP13_0.3	Oct 27, 2021		Soil	S21-Oc65727					X	X	X	X	
24	AI_1B_TP06_0.1	Oct 27, 2021		Soil	S21-Oc65728	X				X	X	X	X	
25	AI_1B_TP06_0.3	Oct 27, 2021		Soil	S21-Oc65729					X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
26	AI_1B_TP04_0.1	Oct 27, 2021		Soil	S21-Oc65730	X				X	X	X	X	
27	AI_1B_TP04_0.3	Oct 27, 2021		Soil	S21-Oc65731					X	X	X	X	
28	AI_1B_TP03_0.1	Oct 27, 2021		Soil	S21-Oc65732	X				X	X	X	X	
29	AI_1B_TP03_0.3	Oct 27, 2021		Soil	S21-Oc65733					X	X	X	X	
30	AI_1B_TP02_0.1	Oct 27, 2021		Soil	S21-Oc65734	X				X	X	X	X	
31	AI_1B_TP02_0.3	Oct 27, 2021		Soil	S21-Oc65735					X	X	X	X	
32	AI_1B_TP05_	Oct 27, 2021		Soil	S21-Oc65736	X				X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
	0.1													
33	AI_1B_TP05_0.3	Oct 27, 2021		Soil	S21-Oc65737					X	X	X	X	
34	AI_TP159_0.1	Oct 27, 2021		Soil	S21-Oc65738		X							
35	AI_TP164_0.1	Oct 27, 2021		Soil	S21-Oc65739	X				X	X	X	X	
36	AI_TP164_0.4	Oct 27, 2021		Soil	S21-Oc65740					X	X	X	X	
37	AI_TP169_0.1	Oct 27, 2021		Soil	S21-Oc65741	X				X	X	X	X	
38	AI_TP169_0.3	Oct 27, 2021		Soil	S21-Oc65742					X	X	X	X	
39	AI_TP168_0.1	Oct 27, 2021		Soil	S21-Oc65743	X				X	X	X	X	
40	AI_TP168_0.3	Oct 27, 2021		Soil	S21-Oc65744					X	X	X	X	
41	AI_TP163_0.1	Oct 27, 2021		Soil	S21-Oc65745	X				X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
42	AI_TP163_0.3	Oct 27, 2021		Soil	S21-Oc65746					X	X	X	X	
43	AI_TP158_0.1	Oct 27, 2021		Soil	S21-Oc65747	X				X	X	X	X	
44	AI_TP158_0.3	Oct 27, 2021		Soil	S21-Oc65748					X	X	X	X	
45	AI_TP167_0.1	Oct 27, 2021		Soil	S21-Oc65749	X				X	X	X	X	
46	AI_TP167_0.3	Oct 27, 2021		Soil	S21-Oc65750					X	X	X	X	
47	AI_TP171_0.1	Oct 27, 2021		Soil	S21-Oc65751	X				X	X	X	X	
48	AI_TP171_0.3	Oct 27, 2021		Soil	S21-Oc65752					X	X	X	X	
49	AI_TP172_0.1	Oct 27, 2021		Soil	S21-Oc65753	X				X	X	X	X	
50	AI_TP172_0.3	Oct 27, 2021		Soil	S21-Oc65754					X	X	X	X	
51	AI_TP170_0.1	Oct 27, 2021		Soil	S21-Oc65755	X				X	X	X	X	
52	AI_TP170_0.3	Oct 27, 2021		Soil	S21-Oc65756					X	X	X	X	

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
53	AI_TP165_0.1	Oct 27, 2021		Soil	S21-Oc65757	X				X	X	X	X	
54	AI_TP165_0.3	Oct 27, 2021		Soil	S21-Oc65758					X	X	X	X	
55	AI_TP166_0.1	Oct 27, 2021		Soil	S21-Oc65759	X				X	X	X	X	
56	AI_TP166_0.3	Oct 27, 2021		Soil	S21-Oc65760					X	X	X	X	
57	AI_TP160_0.3	Oct 27, 2021		Soil	S21-Oc65761					X	X	X	X	
58	AI_1B_20211027_D01	Oct 27, 2021		Soil	S21-Oc65762					X	X	X	X	
59	AI_1B_20211027_D02	Oct 27, 2021		Soil	S21-Oc65763					X	X	X	X	
60	AI_1B_20211027_D03	Oct 27, 2021		Soil	S21-Oc65764		X							
61	AI_1B_202110	Oct 27, 2021		Soil	S21-Oc65765		X							

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Melbourne Laboratory - NATA # 1261 Site # 1254														
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794														
Mayfield Laboratory - NATA # 1261 Site # 25079														
Perth Laboratory - NATA # 2377 Site # 2370														
External Laboratory														
61	AI_1B_20211027_D04	Oct 27, 2021		Soil	S21-Oc65765									
62	AI_TRIP SPIKE	Oct 27, 2021		Water	S21-Oc65766									X
63	AI_TRIP BLANK	Oct 27, 2021		Water	S21-Oc65767				X					
Test Counts						26	3	3	1	55	55	55	54	1

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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QC Data General Comments

1. Where a result is reported as a 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 is 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									
BTEX									
Benzene			mg/L	< 0.001			0.001	Pass	
Toluene			mg/L	< 0.001			0.001	Pass	
Ethylbenzene			mg/L	< 0.001			0.001	Pass	
m&p-Xylenes			mg/L	< 0.002			0.002	Pass	
o-Xylene			mg/L	< 0.001			0.001	Pass	
Xylenes - Total*			mg/L	< 0.003			0.003	Pass	
LCS - % Recovery									
BTEX									
Benzene			%	97			70-130	Pass	
Toluene			%	104			70-130	Pass	
Ethylbenzene			%	109			70-130	Pass	
m&p-Xylenes			%	114			70-130	Pass	
o-Xylene			%	111			70-130	Pass	
Xylenes - Total*			%	113			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
BTEX				Result 1					
Benzene	S21-Oc57165	NCP	%	91			70-130	Pass	
Toluene	S21-Oc57165	NCP	%	88			70-130	Pass	
Ethylbenzene	S21-Oc57165	NCP	%	89			70-130	Pass	
m&p-Xylenes	S21-Oc57165	NCP	%	88			70-130	Pass	
o-Xylene	S21-Oc57165	NCP	%	90			70-130	Pass	
Xylenes - Total*	S21-Oc57165	NCP	%	89			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S21-No03037	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S21-No03037	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S21-No03037	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

This report was revised V2 to include prefix "AI_" to all samples as requested.

Sample Integrity

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

Authorised by:

John Nguyen	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Volatile (NSW)

Glenn Jackson
General Manager

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.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

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Email: EnviroSampleVic@eurofins.com.au

CHAIN OF CUSTODY RECORD

Company Name* : Environmental Resources Management (ERM)	Contact Name* : Jack Emblen	Purchase Order :	COC Number :
Office Address* : Level 15, 309 Kent Street, Sydney NSW 2000	Project Manager : N. Grbich	Project Number : 0571466	Quote ID* :
	Email for Results* : ~~Russell.jarman@erm.com~~; Jack.emblen@erm.com	Project Name :	Data Output Format* : Excel
	Nicholas.Grbich@erm.com		

Special Directions & Comments :

Eurofins | mgt DI Water Batch Number :

Analytes* :

Sample ID* :	Date :	Matrix* :	PFAS	TRH	PAH	BTEX	VOCs	SVOCs	Metals (8)	OCP/OPP
1 AL1B_MW01		W	✓	✓	✓	✓	✓	✓	✓	✓
2 " " _MW03			✓	✓	✓	✓	✓	✓	✓	✓
3 " " _MW04			✓	✓	✓	✓	✓	✓	✓	✓
4 " " _MW05			✓	✓	✓	✓	✓	✓	✓	✓
5 " " _MW06			✓	✓	✓	✓	✓	✓	✓	✓
6 " " _SE01		S	✓							
7 " " _SE02			✓							
8 " " _SE03			✓							
9 " " _SE04			✓							
10 20220209_D01		W	✓	✓	✓	✓	✓	✓	✓	✓
11 20220209_D02		S	✓							
12 20220209_R01		W	✓	✓	✓	✓	✓	✓	✓	✓
13 TS/TB		W				✓				
14 20220209_T01		W	✓	✓	✓	✓	✓	✓	✓	✓
15 20220209_T02		S	✓							
16										

Some common holding times (with correct preservation) - For further information contact the lab

Waters		Soils	
BTEX, MAH, VOC	14 days	BTEX, MAH, VOC	14 days
TRH, PAH, Phenols, Pesticides	7 days	TRH, PAH, Phenols, Pesticides	14 days
Heavy Metals	6 months	Heavy Metals	6 months
Mercury, CrVI	28 days	Mercury, CrVI	28 days
Microbiological testing	24 hours	Microbiological testing	72 hours
BOD, Nitrate, Nitrite, Total N	2 days	Anions	28 days
Solids - TSS, TDS etc	7 days	SPOCAS, pH Field and FOX, CrS	24 hours
Ferrous iron	7 days	ASLP, TCLP	7 days

Containers* :							Comments
500P	250P	125P	200A	40mL vial	500 PFAS		
							SEND TO ALS
							SEND TO ALS

Relinquished By* : Jack Emblen	Laboratory Staff: Received By : A. Sinharage	Turn Around Time : ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☑ 5 DAY ☐ 10 DAY ☐ Other:	Method Of Shipment : ☐ Hand Delivered ☐ Courier Courier Consignment # :
Date & Time* : 9.2.22 14:45	Date & Time : 09/02/22 2:48 PM		Temperature on Arrival : 3.1
Signature* :	Signature :		Report Number : #861777

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www.eurofins.com.au EnviroSales@eurofins.com

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43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Sample Receipt Advice

Company name:	ERM Sydney
Contact name:	Nicholas Grbich
Project name:	Not provided
Project ID:	0571466
Turnaround time:	5 Day
Date/Time received	Feb 9, 2022 2:48 PM
Eurofins reference	861777

Sample Information

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

Notes

For sample ID A1_1B_MW01, 3x sampled vials + 1x empty vial were received. Sample ID 20220209_T01 (1x PFAS bottle+ 4 x vials+ 2x Ambers + 1x Total metals) and 20220209_T02 (1x PFAS Tub) were sent to ALS.

Contact

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

John Nguyen on phone : or by email: JohnNguyen@eurofins.com

Results will be delivered electronically via email to Nicholas Grbich - nicholas.grbich@erm.com.

Note: A copy of these results will also be delivered to the general ERM Sydney email address.

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email: EnviroSales@eurofins.com

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Company Name: ERM Sydney
Address: Level 15, 309 Kent St
Sydney
NSW 2000

Project Name:
Project ID: 0571466

Order No.:
Report #: 861777
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 9, 2022 2:48 PM
Due: Feb 16, 2022
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254												
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794												
Mayfield Laboratory - NATA # 1261 Site # 25079												
Perth Laboratory - NATA # 2377 Site # 2370												
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	A1_1B_MW01	Feb 09, 2022		Water	S22-Fe15658		X		X	X	X	
2	A1_1B_MW03	Feb 09, 2022		Water	S22-Fe15659		X		X	X	X	
3	A1_1B_MW04	Feb 09, 2022		Water	S22-Fe15660		X		X	X	X	
4	A1_1B_MW05	Feb 09, 2022		Water	S22-Fe15661		X		X	X	X	
5	A1_1B_MW06	Feb 09, 2022		Water	S22-Fe15662		X		X	X	X	
6	A1_1B_SE01	Feb 09, 2022		Soil	S22-Fe15663			X			X	
7	A1_1B_SE02	Feb 09, 2022		Soil	S22-Fe15664			X			X	
8	A1_1B_SE03	Feb 09, 2022		Soil	S22-Fe15665			X			X	
9	A1_1B_SE04	Feb 09, 2022		Soil	S22-Fe15666			X			X	

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IANZ # 1290

Company Name: ERM Sydney
Address: Level 15, 309 Kent St
Sydney
NSW 2000

Project Name:
Project ID: 0571466

Order No.:
Report #: 861777
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 9, 2022 2:48 PM
Due: Feb 16, 2022
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254												
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794												
Mayfield Laboratory - NATA # 1261 Site # 25079												
Perth Laboratory - NATA # 2377 Site # 2370												
External Laboratory												
10	20220209_D01	Feb 09, 2022		Water	S22-Fe15667		X		X	X	X	
11	20220209_D02	Feb 09, 2022		Soil	S22-Fe15668			X			X	
12	20220209_R01	Feb 09, 2022		Water	S22-Fe15669		X		X	X	X	
13	TS	Feb 09, 2022		Water	S22-Fe15670							X
14	TB	Feb 09, 2022		Water	S22-Fe15671	X						
Test Counts						1	7	5	7	7	12	1

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Certificate of Analysis

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention: **Nicholas Grbich**

Report **861777-S**
Project name
Project ID 0571466
Received Date Feb 09, 2022

Client Sample ID			**A1_1B_SE01**	**A1_1B_SE02**	**A1_1B_SE03**	**A1_1B_SE04**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe15663**	**S22-Fe15664**	**S22-Fe15665**	**S22-Fe15666**
Date Sampled			**Feb 09, 2022**	**Feb 09, 2022**	**Feb 09, 2022**	**Feb 09, 2022**
Test/Reference	LOR	Unit				
% Moisture	1	%	5.9	8.7	28	16
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	%	86	94	89	92
13C5-PFPeA (surr.)	1	%	106	113	98	108
13C5-PFHxA (surr.)	1	%	92	106	107	101
13C4-PFHpA (surr.)	1	%	94	104	97	98
13C8-PFOA (surr.)	1	%	96	100	89	98
13C5-PFNA (surr.)	1	%	92	115	80	97
13C6-PFDA (surr.)	1	%	95	107	74	103
13C2-PFUnDA (surr.)	1	%	93	108	37	74
13C2-PFDoDA (surr.)	1	%	106	125	63	103
13C2-PFTeDA (surr.)	1	%	103	117	70	103
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	%	87	96	48	87

Client Sample ID			A1_1B_SE01	A1_1B_SE02	A1_1B_SE03	A1_1B_SE04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe15663	S22-Fe15664	S22-Fe15665	S22-Fe15666
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D3-N-MeFOSA (surr.)	1	%	82	90	58	82
D5-N-EtFOSA (surr.)	1	%	87	94	65	83
D7-N-MeFOSE (surr.)	1	%	87	89	62	79
D9-N-EtFOSE (surr.)	1	%	85	91	63	86
D5-N-EtFOSAA (surr.)	1	%	100	145	64	122
D3-N-MeFOSAA (surr.)	1	%	102	115	46	70
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	%	96	107	107	112
18O2-PFHxS (surr.)	1	%	96	106	88	104
13C8-PFOS (surr.)	1	%	93	104	77	103
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	%	99	114	182	132
13C2-6:2 FTSA (surr.)	1	%	91	121	136	139
13C2-8:2 FTSA (surr.)	1	%	138	165	114	154
13C2-10:2 FTSA (surr.)	1	%	114	186	88	85
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			20220209_D02
Sample Matrix			Soil
Eurofins Sample No.			S22-Fe15668
Date Sampled			Feb 09, 2022
Test/Reference	LOR	Unit	
% Moisture	1	%	17

Client Sample ID			20220209_D02
Sample Matrix			Soil
Eurofins Sample No.			S22-Fe15668
Date Sampled			Feb 09, 2022
Test/Reference	LOR	Unit	
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	%	90
13C5-PFPeA (surr.)	1	%	110
13C5-PFHxA (surr.)	1	%	104
13C4-PFHpA (surr.)	1	%	94
13C8-PFOA (surr.)	1	%	100
13C5-PFNA (surr.)	1	%	97
13C6-PFDA (surr.)	1	%	102
13C2-PFUnDA (surr.)	1	%	94
13C2-PFDoDA (surr.)	1	%	116
13C2-PFTeDA (surr.)	1	%	118
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	%	89
D3-N-MeFOSA (surr.)	1	%	89
D5-N-EtFOSA (surr.)	1	%	92
D7-N-MeFOSE (surr.)	1	%	82
D9-N-EtFOSE (surr.)	1	%	87
D5-N-EtFOSAA (surr.)	1	%	115
D3-N-MeFOSAA (surr.)	1	%	80
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	%	104

Client Sample ID			20220209_D02
Sample Matrix			Soil
Eurofins Sample No.			S22-Fe15668
Date Sampled			Feb 09, 2022
Test/Reference	LOR	Unit	
Perfluoroalkyl sulfonic acids (PFSAs)			
18O2-PFHxS (surr.)	1	%	105
13C8-PFOS (surr.)	1	%	104
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	%	107
13C2-6:2 FTSA (surr.)	1	%	107
13C2-8:2 FTSA (surr.)	1	%	146
13C2-10:2 FTSA (surr.)	1	%	104
PFASs Summations			
Sum (PFHxS + PFOS)*	5	ug/kg	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5
Sum of enHealth PFAS (PFHxS + 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

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	Feb 09, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Feb 09, 2022	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Project Name:
Project ID: 0571466

Order No.:
Report #: 861777
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 9, 2022 2:48 PM
Due: Feb 16, 2022
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254												
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794												
Mayfield Laboratory - NATA # 1261 Site # 25079												
Perth Laboratory - NATA # 2377 Site # 2370												
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	A1_1B_MW01	Feb 09, 2022		Water	S22-Fe15658		X		X	X	X	
2	A1_1B_MW03	Feb 09, 2022		Water	S22-Fe15659		X		X	X	X	
3	A1_1B_MW04	Feb 09, 2022		Water	S22-Fe15660		X		X	X	X	
4	A1_1B_MW05	Feb 09, 2022		Water	S22-Fe15661		X		X	X	X	
5	A1_1B_MW06	Feb 09, 2022		Water	S22-Fe15662		X		X	X	X	
6	A1_1B_SE01	Feb 09, 2022		Soil	S22-Fe15663			X			X	
7	A1_1B_SE02	Feb 09, 2022		Soil	S22-Fe15664			X			X	
8	A1_1B_SE03	Feb 09, 2022		Soil	S22-Fe15665			X			X	
9	A1_1B_SE04	Feb 09, 2022		Soil	S22-Fe15666			X			X	

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Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254												
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794												
Mayfield Laboratory - NATA # 1261 Site # 25079												
Perth Laboratory - NATA # 2377 Site # 2370												
External Laboratory												
10	20220209_D01	Feb 09, 2022		Water	S22-Fe15667		X		X	X	X	
11	20220209_D02	Feb 09, 2022		Soil	S22-Fe15668			X			X	
12	20220209_R01	Feb 09, 2022		Water	S22-Fe15669		X		X	X	X	
13	TS	Feb 09, 2022		Water	S22-Fe15670							X
14	TB	Feb 09, 2022		Water	S22-Fe15671	X						
Test Counts						1	7	5	7	7	12	1

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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QC Data General Comments

1. Where a result is reported as a 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 is 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	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	108			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	105			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	111			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	112			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	110			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	114			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	115			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	108			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	118			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	108			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	108			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	110			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	111			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	108			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)	%	103			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	100			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	119			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	93			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	110			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	97			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	91			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	104			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	103			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	106			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)	%	105			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	%	103			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	113			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	103			50-150	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)	S22-Fe18861	NCP	%	108			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe18861	NCP	%	106			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe18861	NCP	%	110			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe18861	NCP	%	110			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe18861	NCP	%	116			50-150	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe18861	NCP	%	114			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe18861	NCP	%	118			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe18861	NCP	%	113			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe18861	NCP	%	115			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe18861	NCP	%	113			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe18861	NCP	%	117			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S22-Fe18861	NCP	%	118			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe18861	NCP	%	110			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe18861	NCP	%	109			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe18861	NCP	%	109			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe18861	NCP	%	106			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe18861	NCP	%	105			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe18861	NCP	%	112			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S22-Fe18861	NCP	%	94			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe18861	NCP	%	109			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe18861	NCP	%	103			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe18861	NCP	%	95			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe18861	NCP	%	103			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe18861	NCP	%	99			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe18861	NCP	%	104			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe18861	NCP	%	100			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S22-Fe18861	NCP	%	95			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe18861	NCP	%	99			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe18861	NCP	%	112			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe18861	NCP	%	91			50-150	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Fe15442	NCP	%	10	10	1.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe18860	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe18860	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe18860	NCP	ug/kg	10	12	15	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe18860	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)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe18860	NCP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe18860	NCP	ug/kg	< 5	< 5	<1	30%	Pass	

Comments

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).

Authorised by:

John Nguyen	Analytical Services Manager
Andrew Sullivan	Senior Analyst-PFAS (NSW)

Glenn Jackson
General Manager

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

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
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ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention: **Nicholas Grbich**

Report **861777-W**
Project name
Project ID 0571466
Received Date Feb 09, 2022

Client Sample ID			**A1_1B_MW01**	**A1_1B_MW03**	**A1_1B_MW04**	**A1_1B_MW05**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**S22-Fe15658**	**S22-Fe15659**	**S22-Fe15660**	**S22-Fe15661**
Date Sampled			**Feb 09, 2022**	**Feb 09, 2022**	**Feb 09, 2022**	**Feb 09, 2022**
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	0.7	< 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	0.7	< 0.1	< 0.1	< 0.1
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
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	0.06	0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	0.06	0.05	< 0.05	< 0.05
TRH >C16-C34	0.1	mg/L	0.6	< 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	0.66	< 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	%	107	114	114	108
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			A1_1B_MW01	A1_1B_MW03	A1_1B_MW04	A1_1B_MW05
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15658	S22-Fe15659	S22-Fe15660	S22-Fe15661
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
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	%	107	114	114	108
Toluene-d8 (surr.)	1	%	92	101	100	99

Client Sample ID			A1_1B_MW01	A1_1B_MW03	A1_1B_MW04	A1_1B_MW05
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15658	S22-Fe15659	S22-Fe15660	S22-Fe15661
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
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	%	73	110	108	74
p-Terphenyl-d14 (surr.)	1	%	95	128	142	114
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	%	INT	INT	INT	INT
Tetrachloro-m-xylene (surr.)	1	%	INT	INT	INT	INT

Client Sample ID			A1_1B_MW01	A1_1B_MW03	A1_1B_MW04	A1_1B_MW05
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15658	S22-Fe15659	S22-Fe15660	S22-Fe15661
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
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	%	INT	INT	INT	INT
Semivolatile Organics						
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	< 0.01	< 0.01	< 0.01	< 0.01
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

Client Sample ID			A1_1B_MW01	A1_1B_MW03	A1_1B_MW04	A1_1B_MW05
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15658	S22-Fe15659	S22-Fe15660	S22-Fe15661
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
2-Chlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
2-Fluorobiphenyl (surr.)	1	%	73	110	108	74
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	< 0.01	< 0.01	< 0.01	< 0.01
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
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-Dinitrotoluene	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
2.4.6-Tribromophenol (surr.)	1	%	52	67	85	61
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
2.6-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	< 0.005	< 0.005	< 0.005	< 0.005
4-Bromophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
4-Chlorophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
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-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
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

Client Sample ID			A1_1B_MW01	A1_1B_MW03	A1_1B_MW04	A1_1B_MW05
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15658	S22-Fe15659	S22-Fe15660	S22-Fe15661
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	96	135	INT	119
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	%	32	50	61	46
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
Heavy Metals						
Arsenic	0.001	mg/L	0.010	0.005	0.006	0.004
Cadmium	0.0002	mg/L	< 0.0002	< 0.0002	0.0005	0.0002
Chromium	0.001	mg/L	0.012	< 0.001	0.004	< 0.001
Copper	0.001	mg/L	0.017	< 0.001	0.005	< 0.001
Lead	0.001	mg/L	0.006	< 0.001	0.002	< 0.001

Client Sample ID			A1_1B_MW01	A1_1B_MW03	A1_1B_MW04	A1_1B_MW05
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15658	S22-Fe15659	S22-Fe15660	S22-Fe15661
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Mercury	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel	0.001	mg/L	0.014	0.003	0.013	0.006
Zinc	0.005	mg/L	0.036	0.009	0.027	0.023
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C4-PFBA (surr.)	1	%	82	91	92	89
13C5-PFPeA (surr.)	1	%	86	113	112	110
13C5-PFHxA (surr.)	1	%	104	107	110	114
13C4-PFHpA (surr.)	1	%	118	107	111	109
13C8-PFOA (surr.)	1	%	111	106	108	106
13C5-PFNA (surr.)	1	%	115	113	113	108
13C6-PFDA (surr.)	1	%	109	113	113	103
13C2-PFUnDA (surr.)	1	%	106	112	109	102
13C2-PFDoDA (surr.)	1	%	112	116	121	127
13C2-PFTeDA (surr.)	1	%	104	117	109	105
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C8-FOSA (surr.)	1	%	102	91	96	93
D3-N-MeFOSA (surr.)	1	%	76	76	75	80
D5-N-EtFOSA (surr.)	1	%	81	81	79	83
D7-N-MeFOSE (surr.)	1	%	79	81	81	82
D9-N-EtFOSE (surr.)	1	%	83	92	86	82
D5-N-EtFOSAA (surr.)	1	%	121	130	132	144
D3-N-MeFOSAA (surr.)	1	%	104	116	119	105
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01

Client Sample ID			A1_1B_MW01	A1_1B_MW03	A1_1B_MW04	A1_1B_MW05
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15658	S22-Fe15659	S22-Fe15660	S22-Fe15661
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C3-PFBS (surr.)	1	%	118	110	113	115
18O2-PFHxS (surr.)	1	%	113	107	108	112
13C8-PFOS (surr.)	1	%	106	102	110	110
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C2-4:2 FTSA (surr.)	1	%	128	150	152	146
13C2-6:2 FTSA (surr.)	1	%	173	130	142	141
13C2-8:2 FTSA (surr.)	1	%	90	97	94	97
13C2-10:2 FTSA (surr.)	1	%	132	192	180	131
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
Sum of PFASs (n=30)*	0.1	ug/L	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
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	0.11	< 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	0.11	< 0.1	-
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
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	0.10	< 0.05	-
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	0.1	< 0.05	-
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	-

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
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	%	107	107	104	-
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	-
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	-

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	107	107	104	-
Toluene-d8 (surr.)	1	%	94	91	93	-
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	%	86	79	83	-
p-Terphenyl-d14 (surr.)	1	%	117	103	128	-
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	-
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	-

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	INT	INT	-
Tetrachloro-m-xylene (surr.)	1	%	INT	INT	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	-
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	-

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	INT	INT	-
Semivolatile Organics						
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	-
1-Chloronaphthalene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
1-Naphthylamine	0.005	mg/L	< 0.01	< 0.01	< 0.01	-
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	%	86	79	83	-
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	< 0.01	< 0.01	< 0.01	-
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-Dinitrotoluene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
2.4.6-Tribromophenol (surr.)	1	%	67	75	76	-
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	-
2.6-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	< 0.005	< 0.005	-
4-Bromophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
4-Chlorophenyl phenyl ether	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
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	-

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	-
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-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	-
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	-

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
Nitrobenzene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Nitrobenzene-d5 (surr.)	1	%	134	148	147	-
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	%	54	55	35	-
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	-
Heavy Metals						
Arsenic	0.001	mg/L	0.005	0.011	0.003	-
Cadmium	0.0002	mg/L	0.0005	< 0.0002	< 0.0002	-
Chromium	0.001	mg/L	0.003	0.001	< 0.001	-
Copper	0.001	mg/L	0.008	0.003	< 0.001	-
Lead	0.001	mg/L	0.003	0.001	< 0.001	-
Mercury	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	-
Nickel	0.001	mg/L	0.006	0.004	< 0.001	-
Zinc	0.005	mg/L	0.019	0.011	< 0.005	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
13C4-PFBA (surr.)	1	%	69	90	96	-
13C5-PFPeA (surr.)	1	%	98	110	116	-
13C5-PFHxA (surr.)	1	%	93	111	111	-
13C4-PFHpA (surr.)	1	%	90	111	107	-
13C8-PFOA (surr.)	1	%	96	107	109	-
13C5-PFNA (surr.)	1	%	92	113	110	-
13C6-PFDA (surr.)	1	%	92	119	104	-
13C2-PFUnDA (surr.)	1	%	91	117	103	-
13C2-PFDoDA (surr.)	1	%	98	112	112	-
13C2-PFTeDA (surr.)	1	%	104	111	101	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-

Client Sample ID			A1_1B_MW06	20220209_D01	20220209_R01	TS
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Fe15662	S22-Fe15667	S22-Fe15669	S22-Fe15670
Date Sampled			Feb 09, 2022	Feb 09, 2022	Feb 09, 2022	Feb 09, 2022
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
13C8-FOSA (surr.)	1	%	85	95	94	-
D3-N-MeFOSA (surr.)	1	%	75	80	78	-
D5-N-EtFOSA (surr.)	1	%	80	83	79	-
D7-N-MeFOSE (surr.)	1	%	74	78	81	-
D9-N-EtFOSE (surr.)	1	%	77	88	85	-
D5-N-EtFOSAA (surr.)	1	%	117	127	124	-
D3-N-MeFOSAA (surr.)	1	%	102	119	117	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
13C3-PFBS (surr.)	1	%	102	117	115	-
18O2-PFHxS (surr.)	1	%	106	116	115	-
13C8-PFOS (surr.)	1	%	101	109	104	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
13C2-4:2 FTSA (surr.)	1	%	102	143	132	-
13C2-6:2 FTSA (surr.)	1	%	93	135	133	-
13C2-8:2 FTSA (surr.)	1	%	145	101	87	-
13C2-10:2 FTSA (surr.)	1	%	117	102	115	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
Sum of PFASs (n=30)*	0.1	ug/L	< 0.1	< 0.1	< 0.1	-
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	%	-	-	-	76

Client Sample ID			TB
Sample Matrix			Water
Eurofins Sample No.			S22-Fe15671
Date Sampled			Feb 09, 2022
Test/Reference	LOR	Unit	
BTEX			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	79

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	Feb 10, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 09, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 10, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Feb 09, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Feb 11, 2022	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Feb 10, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Feb 09, 2022	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Feb 10, 2022	7 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
Organochlorine Pesticides	Sydney	Feb 10, 2022	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Feb 10, 2022	7 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Feb 09, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Feb 09, 2022	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Company Name: ERM Sydney
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Project Name:
Project ID: 0571466

Order No.:
Report #: 861777
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 9, 2022 2:48 PM
Due: Feb 16, 2022
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254												
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794												
Mayfield Laboratory - NATA # 1261 Site # 25079												
Perth Laboratory - NATA # 2377 Site # 2370												
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	A1_1B_MW01	Feb 09, 2022		Water	S22-Fe15658		X		X	X	X	
2	A1_1B_MW03	Feb 09, 2022		Water	S22-Fe15659		X		X	X	X	
3	A1_1B_MW04	Feb 09, 2022		Water	S22-Fe15660		X		X	X	X	
4	A1_1B_MW05	Feb 09, 2022		Water	S22-Fe15661		X		X	X	X	
5	A1_1B_MW06	Feb 09, 2022		Water	S22-Fe15662		X		X	X	X	
6	A1_1B_SE01	Feb 09, 2022		Soil	S22-Fe15663			X			X	
7	A1_1B_SE02	Feb 09, 2022		Soil	S22-Fe15664			X			X	
8	A1_1B_SE03	Feb 09, 2022		Soil	S22-Fe15665			X			X	
9	A1_1B_SE04	Feb 09, 2022		Soil	S22-Fe15666			X			X	

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Company Name: ERM Sydney
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Sydney
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Project Name:
Project ID: 0571466

Order No.:
Report #: 861777
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 9, 2022 2:48 PM
Due: Feb 16, 2022
Priority: 5 Day
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						BTEX	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254												
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794												
Mayfield Laboratory - NATA # 1261 Site # 25079												
Perth Laboratory - NATA # 2377 Site # 2370												
External Laboratory												
10	20220209_D01	Feb 09, 2022		Water	S22-Fe15667		X		X	X	X	
11	20220209_D02	Feb 09, 2022		Soil	S22-Fe15668			X			X	
12	20220209_R01	Feb 09, 2022		Water	S22-Fe15669		X		X	X	X	
13	TS	Feb 09, 2022		Water	S22-Fe15670							X
14	TB	Feb 09, 2022		Water	S22-Fe15671	X						
Test Counts						1	7	5	7	7	12	1

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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QC Data General Comments

1. Where a result is reported as a 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 is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	mg/L	< 0.03			0.03	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2-Methylnaphthalene	mg/L	< 0.005			0.005	Pass	
2-Methylphenol (o-Cresol)	mg/L	< 0.003			0.003	Pass	
2-Naphthylamine	mg/L	< 0.005			0.005	Pass	
2-Nitroaniline	mg/L	< 0.005			0.005	Pass	
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2-Picoline	mg/L	< 0.005			0.005	Pass	
2.3.4.6-Tetrachlorophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
2.4-Dimethylphenol	mg/L	< 0.003			0.003	Pass	
2.4-Dinitrophenol	mg/L	< 0.03			0.03	Pass	
2.4-Dinitrotoluene	mg/L	< 0.005			0.005	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	
2.6-Dinitrotoluene	mg/L	< 0.005			0.005	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/L	< 0.006			0.006	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-Bromophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
4-Chloro-3-methylphenol	mg/L	< 0.01			0.01	Pass	
4-Chlorophenyl phenyl ether	mg/L	< 0.005			0.005	Pass	
4-Nitrophenol	mg/L	< 0.03			0.03	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-chloroethoxy)methane	mg/L	< 0.005			0.005	Pass	
Bis(2-chloroisopropyl)ether	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
Pentachlorophenol	mg/L	< 0.01			0.01	Pass	
Phenol	mg/L	< 0.003			0.003	Pass	
Pronamide	mg/L	< 0.005			0.005	Pass	
Trifluralin	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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.01			0.01	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.01			0.01	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	126			70-130	Pass	
TRH C10-C14	%	78			70-130	Pass	
Naphthalene	%	123			70-130	Pass	
TRH C6-C10	%	121			70-130	Pass	
TRH >C10-C16	%	74			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	118			70-130	Pass	
Toluene	%	115			70-130	Pass	
Ethylbenzene	%	116			70-130	Pass	
m&p-Xylenes	%	121			70-130	Pass	
o-Xylene	%	119			70-130	Pass	
Xylenes - Total*	%	120			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	95			70-130	Pass	
1.1.1-Trichloroethane	%	103			70-130	Pass	
1.2-Dichlorobenzene	%	113			70-130	Pass	
1.2-Dichloroethane	%	115			70-130	Pass	
Trichloroethene	%	94			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Anthracene	%	74			70-130	Pass	
Benz(a)anthracene	%	71			70-130	Pass	
Benzo(a)pyrene	%	76			70-130	Pass	
Benzo(b&j)fluoranthene	%	79			70-130	Pass	
Benzo(g.h.i)perylene	%	73			70-130	Pass	
Benzo(k)fluoranthene	%	75			70-130	Pass	
Chrysene	%	72			70-130	Pass	
Dibenz(a.h)anthracene	%	71			70-130	Pass	
Fluoranthene	%	77			70-130	Pass	
Fluorene	%	73			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	72			70-130	Pass	
Phenanthrene	%	75			70-130	Pass	
Pyrene	%	78			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
4.4'-DDE	%	70			70-130	Pass	
4.4'-DDT	%	78			70-130	Pass	
b-HCH	%	70			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dieldrin	%	72			70-130	Pass	
Endosulfan I	%	73			70-130	Pass	
Endosulfan II	%	70			70-130	Pass	
Endosulfan sulphate	%	77			70-130	Pass	
Endrin	%	71			70-130	Pass	
Endrin aldehyde	%	78			70-130	Pass	
Endrin ketone	%	72			70-130	Pass	
Methoxychlor	%	79			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	74			70-130	Pass	
Dimethoate	%	87			70-130	Pass	
Ethion	%	79			70-130	Pass	
Fenitrothion	%	70			70-130	Pass	
Methyl parathion	%	83			70-130	Pass	
Mevinphos	%	79			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	119			25-140	Pass	
2-Chlorophenol	%	98			25-140	Pass	
2-Methylphenol (o-Cresol)	%	92			25-140	Pass	
2-Nitrophenol	%	124			25-140	Pass	
2.4-Dichlorophenol	%	106			25-140	Pass	
2.4-Dimethylphenol	%	108			25-140	Pass	
2.4-Dinitrophenol	%	99			25-140	Pass	
2.4.5-Trichlorophenol	%	107			25-140	Pass	
2.4.6-Trichlorophenol	%	98			25-140	Pass	
2.6-Dichlorophenol	%	101			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	84			25-140	Pass	
4-Chloro-3-methylphenol	%	106			25-140	Pass	
4-Nitrophenol	%	35			25-140	Pass	
Pentachlorophenol	%	91			25-140	Pass	
Phenol	%	48			25-140	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	99			80-120	Pass	
Cadmium	%	87			80-120	Pass	
Chromium	%	95			80-120	Pass	
Copper	%	91			80-120	Pass	
Lead	%	90			80-120	Pass	
Mercury	%	100			80-120	Pass	
Nickel	%	92			80-120	Pass	
Zinc	%	91			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	105			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	112			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	111			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	106			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	109			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	109			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	107			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	108			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	114			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorotridecanoic acid (PFTrDA)	%	130			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	112			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	105			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	112			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	107			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	%	102			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	%	104			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	104			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	108			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	93			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	105			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	93			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	93			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	99			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	107			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	101			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	105			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	101			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	%	101			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	113			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	99			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Fe15143	NCP	%	97			75-125	Pass	
Cadmium	S22-Fe15143	NCP	%	90			75-125	Pass	
Chromium	S22-Fe15143	NCP	%	89			75-125	Pass	
Copper	S22-Fe15143	NCP	%	83			75-125	Pass	
Lead	S22-Fe15143	NCP	%	90			75-125	Pass	
Mercury	S22-Fe15143	NCP	%	95			75-125	Pass	
Nickel	S22-Fe15143	NCP	%	89			75-125	Pass	
Zinc	S22-Fe15143	NCP	%	85			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S22-Fe15659	CP	%	97			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe15659	CP	%	101			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe15659	CP	%	101			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe15659	CP	%	102			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe15659	CP	%	103			50-150	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe15659	CP	%	102			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe15659	CP	%	102			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe15659	CP	%	103			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe15659	CP	%	107			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe15659	CP	%	102			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe15659	CP	%	102			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S22-Fe15659	CP	%	98			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe15659	CP	%	102			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe15659	CP	%	102			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe15659	CP	%	100			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe15659	CP	%	96			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe15659	CP	%	98			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe15659	CP	%	104			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S22-Fe15659	CP	%	87			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe15659	CP	%	103			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe15659	CP	%	79			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe15659	CP	%	86			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe15659	CP	%	90			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe15659	CP	%	100			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe15659	CP	%	97			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe15659	CP	%	95			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S22-Fe15659	CP	%	96			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe15659	CP	%	93			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe15659	CP	%	108			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe15659	CP	%	101			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	S22-Fe11842	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Naphthalene	S22-Fe11842	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
TRH C6-C10	S22-Fe11842	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S22-Fe11842	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
o-Xylene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S22-Fe11842	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1-Dichloroethene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2-Trichloroethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloropropane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
2-Butanone (MEK)	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromochloromethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromodichloromethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromoform	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromomethane	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Carbon disulfide	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Carbon Tetrachloride	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chlorobenzene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chloroethane	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloroform	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloromethane	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
cis-1.2-Dichloroethene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
cis-1.3-Dichloropropene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromochloromethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromomethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dichlorodifluoromethane	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Iodomethane	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Isopropyl benzene (Cumene)	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Methylene Chloride	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Styrene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Tetrachloroethene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.2-Dichloroethene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.3-Dichloropropene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichloroethene	S22-Fe11842	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichlorofluoromethane	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Vinyl chloride	S22-Fe11842	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe15658	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)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe15658	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe15658	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Fe15661	CP	mg/L	0.004	0.005	26	30%	Pass	
Cadmium	S22-Fe15661	CP	mg/L	0.0002	< 0.0002	30	30%	Pass	
Chromium	S22-Fe15661	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper	S22-Fe15661	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	S22-Fe15661	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S22-Fe15661	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S22-Fe15661	CP	mg/L	0.006	0.006	7.0	30%	Pass	
Zinc	S22-Fe15661	CP	mg/L	0.023	0.025	7.0	30%	Pass	

Comments

Sample Integrity

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

Qualifier Codes/Comments

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

Authorised by:

John Nguyen	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)
Andrew Sullivan	Senior Analyst-PFAS (NSW)
John Nguyen	Senior Analyst-Metal (NSW)
Roopesh Rangarajan	Senior Analyst-Volatile (NSW)

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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FW: Eurofins Test Results, Invoice - Report 861777 : Site 0571466

Roopesh Rangarajan <RoopeshRangarajan@eurofins.com>

Mon 2/14/2022 1:38 PM

To: #AU04_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>

Cc: John Nguyen <JohnNguyen@eurofins.com>

INFO: INTERNAL EMAIL - Sent from your own Eurofins email domain.

Hi Team,

FYI. Please ac on this as overnight.

Regards,
Roopesh Rangarajan

Eurofins | Environment Tes ng

From: Nicholas Grbich <Nicholas.Grbich@erm.com>
Sent: Monday, 14 February 2022 1:37 PM
To: John Nguyen <JohnNguyen@eurofins.com>
Cc: Jack Emblen <Jack.Emblen@erm.com>; Ian Ba. erley <Ian.Batterley@erm.com>; Roopesh Rangarajan <RoopeshRangarajan@eurofins.com>
Subject: RE: Eurofins Test Results, Invoice - Report 861777 : Site 0571466

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi John,

Thanks for getting those results through, could we please have a silica gel clean up and TRH tested for these three samples?

A1_1B_MW01
A1_1B_MW03
20220209_D01

24 Hr TAT please.

Kind regards,

Nicholas Grbich
Senior Environmental Scientist

ERM
Level 15 | 309 Kent Street | Sydney NSW 2000
T +61 2 8586 8776 | **M** +61 415 833 925
E Nicholas.Grbich@erm.com | **W** www.erm.com

ERM The business of sustainability

From: JohnNguyen@eurofins.com <JohnNguyen@eurofins.com>
Sent: Monday, February 14, 2022 1:21 PM
To: Nicholas Grbich <Nicholas.Grbich@erm.com>
Cc: Jack Emblen <Jack.Emblen@erm.com>
Subject: Eurofins Test Results, Invoice - Report 861777 : Site 0571466

CAUTION: This email originated from outside of the organiza on. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Please find attached results and invoice for your project in the subject header.

Kind regards,

John Nguyen
Analy cal Services Manager

Eurofins|Environment Tes ng

Mobile: +61 459 816 743

Email: johnnguyen@eurofins.com

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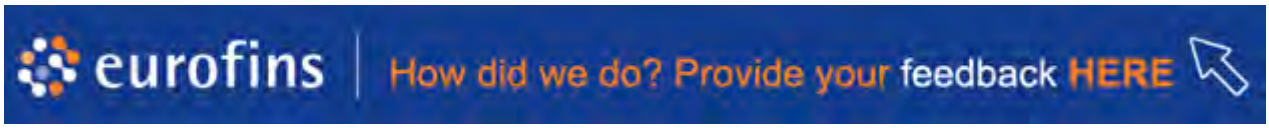
How did we do? Provide your feedback here



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Please visit ERM's web site: http://www.erm.com. To find out how ERM manages personal data, please review our Privacy Policy

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www.eurofins.com.au EnviroSales@eurofins.com

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IANZ # 1327

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Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Sample Receipt Advice

Company name:	ERM Sydney
Contact name:	Nicholas Grbich
Project name:	571466
Project ID:	Not provided
Turnaround time:	1 Day
Date/Time received	Feb 14, 2022 1:38 PM
Eurofins reference	862926

Sample Information

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

Notes

TAT corrected to 24 hour TAT.

Contact

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

John Nguyen on phone : or by email: JohnNguyen@eurofins.com

Results will be delivered electronically via email to Nicholas Grbich - nicholas.grbich@erm.com.

Note: A copy of these results will also be delivered to the general ERM Sydney email address.

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web: www.eurofins.com.au
email: EnviroSales@eurofins.com

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IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Company Name:	ERM Sydney	**Order No.:**		**Received:**	Feb 14, 2022 1:38 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	862926	**Due:**	Feb 15, 2022
		Phone:	02 8584 8888	**Priority:**	1 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	571466				

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						TRH (after Silica Gel cleanup)
Melbourne Laboratory - NATA # 1261 Site # 1254						
Sydney Laboratory - NATA # 1261 Site # 18217						X
Brisbane Laboratory - NATA # 1261 Site # 20794						
Mayfield Laboratory - NATA # 1261 Site # 25079						
Perth Laboratory - NATA # 2377 Site # 2370						
External Laboratory						
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**	
1	A1_1B_MW01	Feb 09, 2022		Water	S22-Fe23864	X
2	A1_1B_MW03	Feb 09, 2022		Water	S22-Fe23865	X
3	20220209_D01	Feb 09, 2022		Water	S22-Fe23866	X
Test Counts						3

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Certificate of Analysis

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention: **Nicholas Grbich**

Report **862926-W**
Project name 571466
Received Date Feb 14, 2022

Client Sample ID			**A1_1B_MW01**	**A1_1B_MW03**	**20220209_D01**
Sample Matrix			**Water**	**Water**	**Water**
Eurofins Sample No.			**S22-Fe23864**	**S22-Fe23865**	**S22-Fe23866**
Date Sampled			**Feb 09, 2022**	**Feb 09, 2022**	**Feb 09, 2022**
Test/Reference	LOR	Unit			
TRH - 2013 NEPM Fractions (after silica gel clean-up)					
TRH >C10-C16 (after silica gel clean-up)	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH >C16-C34 (after silica gel clean-up)	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH >C34-C40 (after silica gel clean-up)	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total) (after silica-gel clean up)*	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH - 1999 NEPM Fractions (after silica gel clean-up)					
TRH C10-C14 (after silica gel clean-up)	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH C15-C28 (after silica gel clean-up)	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH C29-C36 (after silica gel clean-up)	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total) (after silica gel clean-up)	0.1	mg/L	< 0.1	< 0.1	< 0.1

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	Feb 14, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
TRH - 1999 NEPM Fractions (after silica gel clean-up)	Sydney	Feb 14, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			

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IANZ # 1290

Company Name:	ERM Sydney	**Order No.:**		**Received:**	Feb 14, 2022 1:38 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	862926	**Due:**	Feb 15, 2022
		Phone:	02 8584 8888	**Priority:**	1 Day
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	571466				

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						TRH (after Silica Gel cleanup)
Melbourne Laboratory - NATA # 1261 Site # 1254						
Sydney Laboratory - NATA # 1261 Site # 18217						X
Brisbane Laboratory - NATA # 1261 Site # 20794						
Mayfield Laboratory - NATA # 1261 Site # 25079						
Perth Laboratory - NATA # 2377 Site # 2370						
External Laboratory						
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**	
1	A1_1B_MW01	Feb 09, 2022		Water	S22-Fe23864	X
2	A1_1B_MW03	Feb 09, 2022		Water	S22-Fe23865	X
3	20220209_D01	Feb 09, 2022		Water	S22-Fe23866	X
Test Counts						3

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a 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 is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34 (after silica gel clean-up)	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40 (after silica gel clean-up)	mg/L	< 0.1			0.1	Pass	
Method Blank							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	mg/L	< 0.05			0.05	Pass	
TRH C15-C28 (after silica gel clean-up)	mg/L	< 0.1			0.1	Pass	
TRH C29-C36 (after silica gel clean-up)	mg/L	< 0.1			0.1	Pass	
LCS - % Recovery							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	%	112			70-130	Pass	
LCS - % Recovery							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	%	117			70-130	Pass	

Comments

Sample Integrity

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

Authorised by:

John Nguyen	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

☐ **Sydney Laboratory** Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2066 02 9900 8400 EnviroSampleNSW@eurofins.com

☐ **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com

☐ **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com

☐ **Melbourne Laboratory** 6 Monterey Road Dandenong South VIC 3175 03 8564 5000 EnviroSampleVic@eurofins.com

Company	ERM	Project №	0571466	Project Manager	NICK GRBICH
Address	11/277 Lane Cove Rd Mac Park 2113	Project Name	WPCA - BCC	EDD Format (ESdat, EQuIS etc)	ESDAT
Contact Name	Jack Emblen				
Phone №	0402979340				
Special Directions	URGENT				
Purchase Order					
Quote ID №					

Sampler(s)	JACK + ANT
Handed over by	"
Email for Invoice	Standard ERM
Email for Results	Nick + Jack

Analyses: Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to extract SUITE pricing.

Containers: Change container type & size if necessary.

Required Turnaround Time (TAT): Default will be 5 days if not ticked. *Surcharge will apply

☑ Overnight (reporting by 9am)♦ ☐ Same day♦ ☐ 1 day♦ ☐ 2 days♦ ☐ 3 days♦ ☐ 5 days (Standard) ☐ Other( )

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Solid Suite A	Solid Suite B	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass*	40mL VOA vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Other (Asbestos AS4964, WA Guidelines)	Sample Comments / Dangerous Goods Hazard Warning
1	IA_IB_TP01_0.1			X										Solid suite A = Asbestos, PFAS, TRH/BTEX/PAH/SVOCs VOCs/heavy metals(8) OCP/OPP.
2	" " _0.5				X									
3	" " _TP07_0.1			X										
4	" " _TP07_0.4				X									
5	_TP08_0.1			X										Solid suite B = PFAS TRH/BTEX/PAHs/SVOCs VOCs/heavy metals/OCP/OPP.
6	_TP08_0.5				X									
7	_TP14_0.1			X										
8	_TP14_0.5				X									
9	_TP19_0.1			X										
10	_TP19_0.5				X									
	Total Counts													

Method of Shipment: ☐ Courier (#) ☑ Hand Delivered ☐ Postal | Name | Signature | Date | Time

Laboratory Use Only										
Received By	MR	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	15/12/22	Time	3:06PM	Temperature	4.1°C
Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	863497

Eurofins Environment Testing Australia Pty Ltd

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EEWW_R10 Modified by Dr. R Symons Approved by G. Jackson Approved on 8 August 2019

jack.emblen@erm.com
nicholas.grbich@erm.com
ian.batterley@erm.com

CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

☐ **Sydney Laboratory** Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2066 02 9900 8400 EnviroSampleNSW@eurofins.com

☐ **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com

☐ **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com

☐ **Melbourne Laboratory** 6 Monterey Road Dandenong South VIC 3175 03 8564 5000 EnviroSampleVic@eurofins.com

Company		Project №		Project Manager	
Address	SEE PAGE 1	Project Name		EDD Format (ESdat, EQuIS etc)	
Contact Name					
Phone №					
Special Directions					
Purchase Order					
Quote ID №					

Sampler(s)	
Handed over by	
Email for Invoice	
Email for Results	

Containers — Change container type & size if necessary.

Required Turnaround Time (TAT) — Default will be 5 days if not ticked.

♦Surcharge will apply

☐ Overnight (reporting by 9am)♦
☐ Same day♦ ☐ 1 day♦
☐ 2 days♦ ☐ 3 days♦
☐ 5 days (Standard)
☐ Other( )

Analyses — Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to attract SUITE pricing.

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	SOLID SUITE A	SOLID SUITE B	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL VOA vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Other (Asbestos AS4964, WA Guidelines)	Sample Comments / Dangerous Goods Hazard Warning
11	IA_IB_TP21_0.1			X										
12	_TP21_0.3				X									
13	_TP22_0.1			X										
14	_TP22_0.4				X									
15	_TP23_0.1			X										
16	_TP23_0.3				X									
17	_TP24_0.1			X										
18	_TP24_0.4				X									
19	_TP25_0.1			X										
20	_TP25_0.4				X									
	Total Counts													

Method of Shipment	☐ Courier (#)	☒ Hand Delivered	☐ Postal	Name		Signature		Date	Time

Laboratory Use Only	Received By	MK	SYD / BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	15/12/22	Time	3:06PM	Temperature	4.1°C
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	863497

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QS3009_R10 Modified by Dr. R Symons Approved by G. Jackson Approved on 8 August 2019

CHAIN OF CUSTODY RECORD

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☐ **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com

☐ **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com

☐ **Melbourne Laboratory** 6 Monterey Road Dandenong South VIC 3175 03 8564 5000 EnviroSampleVic@eurofins.com

Company		Project №		Project Manager	
Address	SEE PAGE 1	Project Name		EDD Format (ESdat, EQuIS etc)	
Contact Name					
Phone №					
Special Directions					
Purchase Order					
Quote ID №					

Sampler(s)	
Handed over by	
Email for Invoice	
Email for Results	

Required Turnaround Time (TAT) Default will be 5 days if not ticked

♦Surcharge will apply

☐ Overnight (reporting by 9am)♦
☐ Same day♦ ☐ 1 day♦
☐ 2 days♦ ☐ 3 days♦
☐ 5 days (Standard)
☐ Other( )

Analyses Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to attract SUITE pricing

Containers Change container type & size if necessary.

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	SOLID SUITE A	SOLID SUITE B	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL VOA vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Other (Asbestos AS4964, WA Guidelines)	Sample Comments / Dangerous Goods Hazard Warning
21	IA_1B_TP29_0.1			X										
22	TP29_0.4				X									
23	TP28_0.1			X										
24	TP28_0.3				X									
25	TP27_0.1			X										
26	TP27_0.3				X									
27	TP30_0.1			X										
28	TP30_0.3				X									
29	TP33_0.1			X										
30	TP33_0.4				X									
			Total Counts											

Method of Shipment	☐ Courier (#)	☒ Hand Delivered	☐ Postal	Name	Signature	Date	Time

Laboratory Use Only	Received By	KR	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	15/12/22	Time	3:06pm	Temperature	4.1°C
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	863497

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☐ **Melbourne Laboratory** 6 Monterey Road Dandenong South VIC 3175 03 8564 5000 EnviroSampleVic@eurofins.com

Company		Project №		Project Manager	
Address	SEE PAGE 1	Project Name		EDD Format (ESdat, EQuIS etc)	
Contact Name					
Phone №					
Special Directions					
Purchase Order					
Quote ID №					

Sampler(s)	
Handed over by	
Email for Invoice	
Email for Results	

Containers (Change container type & size if necessary)

Required Turnaround Time (TAT) (Default will be 5 days if not ticked)

♦Surcharge will apply
- ☐ Overnight (reporting by 9am)♦
- ☐ Same day♦ ☐ 1 day♦
- ☐ 2 days♦ ☐ 3 days♦
- ☐ 5 days (Standard)
- ☐ Other( )

Analyses (Where metals are requested, please specify "Total" or "Filtered". SUITE codes must be used to attract SUITE pricing)

№	Client Sample ID	Sampled Date/Time (dd/mm/yy hh:mm)	Matrix (Solid (S) Water (W))	SOLID SUITE A	SOLID SUITE B	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL VOA vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Other (Asbestos AS4964, WA Guidelines)	Sample Comments / Dangerous Goods Hazard Warning
1	1A_1B_TP34_0.1			X										
2	TP34_0.4				X									
3	TP35_0.1			X										
4	TP35_0.4				X									
5	TP36_0.1			X										
6	TP36_0.3				X									
7	TP39_0.1			X										
8	TP39_0.3				X									
9	TP40_0.05			X										
10	TP40_0.3				X									
	Total Counts													

Method of Shipment	☐ Courier (#)	☑ Hand Delivered	☐ Postal	Name		Signature		Date		Time	
Laboratory Use Only	Received By	JR	(SYD) BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	15/12/22	Time	3:06pm	Temperature	4.1°C
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	863497

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QS3009_R10 Modified by Dr. R Symons Approved by G. Jackson Approved on: 8 August 2019

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Company		Project №		Project Manager	
Address	SEE PAGE 1	Project Name		EDD Format (ESdat, EQuIS etc)	
Contact Name					
Phone №					
Special Directions					
Purchase Order					
Quote ID №					

Sampler(s)	
Handed over by	
Email for Invoice	
Email for Results	

Containers (Change container type & size if necessary)

Required Turnaround Time (TAT) (Default will be 5 days if not ticked)

♦Surcharge will apply
☐ Overnight (reporting by 9am)♦
☐ Same day♦ ☐ 1 day♦
☐ 2 days♦ ☐ 3 days♦
☐ 5 days (Standard)
☐ Other( )

Analyses (Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to attract SUITE pricing)

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	SOLID SUITE A	SOLID SUITE B	500mL Plastic	250mL Plastic	125mL Plastic	200mL Amber Glass	40mL VOA vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Other (Asbestos AS4964, WA Guidelines)	Sample Comments / Dangerous Goods Hazard Warning
11	1A_1B_TP41_0.1			X										
12	TP41_0.4				X									
13	TP46_0.1			X										
14	TP46_0.5				X									
15	TP38_0.1			X										
16	TP38_0.4				X									
17														
18														
19														
20														
		Total Counts												

Method of Shipment	☐ Courier (#)	☑ Hand Delivered	☐ Postal	Name	Signature	Date	Time	
Laboratory Use Only	Received By	MR	(SYD) | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date 15/12/22	Time 3:06PM	Temperature 4.1°C
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	Time	Report № 863497

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QS3009_R10 Modified by Dr. R Symons Approved by G. Jackson Approved on 8 August 2019

RE: Attention: Eurofins Sample Receipt Advice - Report 863497 : Site WPCA-BCC (0571466)

Jack Emblen <Jack.Emblen@erm.com>

Wed 2/16/2022 8:46 AM

To: #AU04_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>

Cc: Ian Batterley <Ian.Batterley@erm.com>; Anthony Richard <anthony.richard@erm.com>; Nicholas Grbich <Nicholas.Grbich@erm.com>

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Guys,

Looks like a mistake on the COC:

- Sample "IA_1B_TP25_0.1" should be "IA_1B_TP26_0.1" – please analyse for Solid Suite A as per COC;
- Sample "IA_1B_TP25_0.4" should be "IA_1B_TP26_0.4" – please analyse for Solid Suite B as per COC.

Thanks!

Kind Regards,

Jack Emblen
Environmental Consultant

ERM
Unit 11 ¦277 Lane Cove Road¦ Macquarie Park NSW 2113
E jack.emblen@erm.com ¦ W www.erm.com

ERM The business of sustainability

From: Ian Ba erley <Ian.Ba erley@erm.com>
Sent: Tuesday, February 15, 2022 7:48 PM
To: Jack Emblen <Jack.Emblen@erm.com>; Anthony Richard <anthony.richard@erm.com>; Nicholas Grbich <Nicholas.Grbich@erm.com>
Subject: Fwd: A en on: Eurofins Sample Receipt Advice - Report 863497 : Site WPCA-BCC (0571466)

Hey folks

Looks like the sample ids were doubled up for tp26 - let's just get them all analyzed - get and _a added to nomenclature so we can distinguish them

Ian

Get Outlook for iOS

From: EnviroSampleNSW@eurofins.com <EnviroSampleNSW@eurofins.com>
Sent: Tuesday, February 15, 2022 7:44:56 PM
To: Nicholas Grbich <Nicholas.Grbich@erm.com>
Cc: Ian Ba erley <Ian.Ba erley@erm.com>; Jack Emblen <Jack.Emblen@erm.com>
Subject: A en on: Eurofins Sample Receipt Advice - Report 863497 : Site WPCA-BCC (0571466)

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Dear Valued Client,

Samples IA_IB_TP25_0.1 and IA_IB_TP25_0.4 not received, analysis cancelled. Samples IA_IB_TP26_0.1 and IA_IB_TP26_0.4 received extra and logged on hold.

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.

Kind regards,
Mickael Ros
Sample Receipt

Eurofins | Environmental Testing
Unit F3, Parkview Building
16 Mars Road
LANE COVE WEST NSW 2066
AUSTRALIA
Phone: +61 02 9900 8421
Email: EnviroSampleNSW@eurofins.com
Website: [http://]environment.eurofins.com.au

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eurofins | How did we do? Provide your feedback HERE

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www.eurofins.com.au EnviroSales@eurofins.com

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NATA # 1261 Site # 1254

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Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
1/21 Smallwood Place
Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Phone : +61 2 4968 8448
NATA # 1261 Site # 25079

Eurofins ARL Pty Ltd
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Phone : +61 8 6253 4444
NATA # 2377 Site # 2370

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NZBN: 9429046024954

Auckland
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Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Sample Receipt Advice

Company name:	ERM Sydney
Contact name:	Nicholas Grbich
Project name:	WPCA-BCC
Project ID:	0571466
Turnaround time:	Overnight
Date/Time received	Feb 15, 2022 3:06 PM
Eurofins reference	863497

Sample Information

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

Notes

Contact

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

John Nguyen on phone : or by email: JohnNguyen@eurofins.com

Results will be delivered electronically via email to Nicholas Grbich - nicholas.grbich@erm.com.

Note: A copy of these results will also be delivered to the general ERM Sydney email address.

Global Leader - Results you can trust

eurofins | Environment Testing

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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NATA # 1261 Site # 18217

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NATA # 1261 Site # 20794

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Phone : +61 2 4968 8448
NATA # 1261 Site # 25079

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Perth
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Phone : +61 8 6253 4444
NATA # 2377 Site # 2370

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NZBN: 9429046024954

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Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Company Name: ERM Sydney
Address: Level 15, 309 Kent St
Sydney
NSW 2000

Project Name: WPCA-BCC
Project ID: 0571466

Order No.:
Report #: 863497
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 15, 2022 3:06 PM
Due: Feb 16, 2022
Priority: Overnight
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**						
1	IA_IB_TP01_0.1	Feb 15, 2022		Soil	S22-Fe27848	X		X	X	X	X
2	IA_IB_TP01_0.5	Feb 15, 2022		Soil	S22-Fe27849			X	X	X	X
3	IA_IB_TP07_0.1	Feb 15, 2022		Soil	S22-Fe27850	X		X	X	X	X
4	IA_IB_TP07_0.4	Feb 15, 2022		Soil	S22-Fe27851			X	X	X	X
5	IA_IB_TP08_0.1	Feb 15, 2022		Soil	S22-Fe27852	X		X	X	X	X
6	IA_IB_TP08_0	Feb 15, 2022		Soil	S22-Fe27853			X	X	X	X

eurofins | Environment Testing

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

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NATA # 1261 Site # 25079

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NATA # 2377 Site # 2370

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Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
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IANZ # 1290

Company Name: ERM Sydney
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NSW 2000

Project Name: WPCA-BCC
Project ID: 0571466

Order No.:
Report #: 863497
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 15, 2022 3:06 PM
Due: Feb 16, 2022
Priority: Overnight
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.5										
7	IA_IB_TP14_0.1	Feb 15, 2022		Soil	S22-Fe27854	X		X	X	X	X
8	IA_IB_TP14_0.5	Feb 15, 2022		Soil	S22-Fe27855			X	X	X	X
9	IA_IB_TP19_0.1	Feb 15, 2022		Soil	S22-Fe27856	X		X	X	X	X
10	IA_IB_TP19_0.5	Feb 15, 2022		Soil	S22-Fe27857			X	X	X	X
11	IA_IB_TP21_0.1	Feb 15, 2022		Soil	S22-Fe27858	X		X	X	X	X
12	IA_IB_TP21_0.3	Feb 15, 2022		Soil	S22-Fe27859			X	X	X	X

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
13	IA_IB_TP22_0.1	Feb 15, 2022		Soil	S22-Fe27860	X		X	X	X	X
14	IA_IB_TP22_0.4	Feb 15, 2022		Soil	S22-Fe27861			X	X	X	X
15	IA_IB_TP23_0.1	Feb 15, 2022		Soil	S22-Fe27862	X		X	X	X	X
16	IA_IB_TP23_0.3	Feb 15, 2022		Soil	S22-Fe27863			X	X	X	X
17	IA_IB_TP24_0.1	Feb 15, 2022		Soil	S22-Fe27864	X		X	X	X	X
18	IA_IB_TP24_0.4	Feb 15, 2022		Soil	S22-Fe27865			X	X	X	X
19	IA_IB_TP25_0	Feb 15, 2022		Soil	S22-Fe27866		X				

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.1										
20	IA_IB_TP25_0.4	Feb 15, 2022		Soil	S22-Fe27867		X				
21	IA_IB_TP29_0.1	Feb 15, 2022		Soil	S22-Fe27868	X		X	X	X	X
22	IA_IB_TP29_0.4	Feb 15, 2022		Soil	S22-Fe27869			X	X	X	X
23	IA_IB_TP28_0.1	Feb 15, 2022		Soil	S22-Fe27870	X		X	X	X	X
24	IA_IB_TP28_0.3	Feb 15, 2022		Soil	S22-Fe27871			X	X	X	X
25	IA_IB_TP27_0.1	Feb 15, 2022		Soil	S22-Fe27872	X		X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
26	IA_IB_TP27_0.3	Feb 15, 2022		Soil	S22-Fe27873			X	X	X	X
27	IA_IB_TP30_0.1	Feb 15, 2022		Soil	S22-Fe27874	X		X	X	X	X
28	IA_IB_TP30_0.3	Feb 15, 2022		Soil	S22-Fe27875			X	X	X	X
29	IA_IB_TP33_0.1	Feb 15, 2022		Soil	S22-Fe27876	X		X	X	X	X
30	IA_IB_TP33_0.4	Feb 15, 2022		Soil	S22-Fe27877			X	X	X	X
31	IA_IB_TP34_0.1	Feb 15, 2022		Soil	S22-Fe27878	X		X	X	X	X
32	IA_IB_TP34_0	Feb 15, 2022		Soil	S22-Fe27879			X	X	X	X

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.4										
33	IA_IB_TP35_0.1	Feb 15, 2022		Soil	S22-Fe27880	X		X	X	X	X
34	IA_IB_TP35_0.4	Feb 15, 2022		Soil	S22-Fe27881			X	X	X	X
35	IA_IB_TP36_0.1	Feb 15, 2022		Soil	S22-Fe27882	X		X	X	X	X
36	IA_IB_TP36_0.3	Feb 15, 2022		Soil	S22-Fe27883			X	X	X	X
37	IA_IB_TP39_0.1	Feb 15, 2022		Soil	S22-Fe27884	X		X	X	X	X
38	IA_IB_TP39_0.3	Feb 15, 2022		Soil	S22-Fe27885			X	X	X	X

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
39	IA_IB_TP40_0.05	Feb 15, 2022		Soil	S22-Fe27886	X		X	X	X	X
40	IA_IB_TP40_0.3	Feb 15, 2022		Soil	S22-Fe27887			X	X	X	X
41	IA_IB_TP41_0.1	Feb 15, 2022		Soil	S22-Fe27888	X		X	X	X	X
42	IA_IB_TP41_0.4	Feb 15, 2022		Soil	S22-Fe27889			X	X	X	X
43	IA_IB_TP46_0.1	Feb 15, 2022		Soil	S22-Fe27890	X		X	X	X	X
44	IA_IB_TP46_0.5	Feb 15, 2022		Soil	S22-Fe27891			X	X	X	X
45	IA_IB_TP38_0	Feb 15, 2022		Soil	S22-Fe27892	X		X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.1										
46	IA_IB_TP38_0.4	Feb 15, 2022		Soil	S22-Fe27893			X	X	X	X
47	IA_IB_TP26_0.1	Feb 15, 2022		Soil	S22-Fe28005	X		X	X	X	X
48	IA_IB_TP26_0.4	Feb 15, 2022		Soil	S22-Fe28006			X	X	X	X
Test Counts						23	2	46	46	46	46

Certificate of Analysis

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.

ERM Sydney
Level 15, 309 Kent St
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NSW 2000

Attention:	Nicholas Grbich
Report	863497-AID
Project Name	WPCA-BCC
Project ID	0571466
Received Date	Feb 15, 2022
Date Reported	Feb 17, 2022

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "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 WPCA-BCC
Project ID 0571466
Date Sampled Feb 15, 2022
Report 863497-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
IA_IB_TP01_0.1	22-Fe27848	Feb 15, 2022	Approximate Sample 560g Sample consisted of: Brown coarse-grained clayey soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP07_0.1	22-Fe27850	Feb 15, 2022	Approximate Sample 394g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP08_0.1	22-Fe27852	Feb 15, 2022	Approximate Sample 211g Sample consisted of: Brown fine-grained clayey sandy- soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP14_0.1	22-Fe27854	Feb 15, 2022	Approximate Sample 303g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP19_0.1	22-Fe27856	Feb 15, 2022	Approximate Sample 480g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP21_0.1	22-Fe27858	Feb 15, 2022	Approximate Sample 452g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP22_0.1	22-Fe27860	Feb 15, 2022	Approximate Sample 414g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP23_0.1	22-Fe27862	Feb 15, 2022	Approximate Sample 411g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
IA_IB_TP24_0.1	22-Fe27864	Feb 15, 2022	Approximate Sample 332g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP29_0.1	22-Fe27868	Feb 15, 2022	Approximate Sample 445g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP28_0.1	22-Fe27870	Feb 15, 2022	Approximate Sample 562g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP27_0.1	22-Fe27872	Feb 15, 2022	Approximate Sample 429g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP30_0.1	22-Fe27874	Feb 15, 2022	Approximate Sample 376g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP33_0.1	22-Fe27876	Feb 15, 2022	Approximate Sample 675g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP34_0.1	22-Fe27878	Feb 15, 2022	Approximate Sample 615g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP35_0.1	22-Fe27880	Feb 15, 2022	Approximate Sample 488g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP36_0.1	22-Fe27882	Feb 15, 2022	Approximate Sample 582g Sample consisted of: Brown coarse-grained clayey-sandy soil, coal, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP39_0.1	22-Fe27884	Feb 15, 2022	Approximate Sample 490g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP40_0.05	22-Fe27886	Feb 15, 2022	Approximate Sample 630g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP41_0.1	22-Fe27888	Feb 15, 2022	Approximate Sample 530g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP46_0.1	22-Fe27890	Feb 15, 2022	Approximate Sample 486g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
IA_IB_TP38_0.1	22-Fe27892	Feb 15, 2022	Approximate Sample 362g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
IA_IB_TP26_0.1	22-Fe28005	Feb 15, 2022	Approximate Sample 486g Sample consisted of: Brown coarse-grained clayey-sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.01% w/w. 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	Feb 16, 2022	Indefinite

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Company Name:	ERM Sydney	**Order No.:**		**Received:**	Feb 15, 2022 3:06 PM
Address:	Level 15, 309 Kent St Sydney NSW 2000	**Report #:**	863497	**Due:**	Feb 16, 2022
		Phone:	02 8584 8888	**Priority:**	Overnight
		Fax:	02 8584 8800	**Contact Name:**	Nicholas Grbich
Project Name:	WPCA-BCC				
Project ID:	0571466				

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**						
1	IA_IB_TP01_0.1	Feb 15, 2022		Soil	S22-Fe27848	X		X	X	X	X
2	IA_IB_TP01_0.5	Feb 15, 2022		Soil	S22-Fe27849			X	X	X	X
3	IA_IB_TP07_0.1	Feb 15, 2022		Soil	S22-Fe27850	X		X	X	X	X
4	IA_IB_TP07_0.4	Feb 15, 2022		Soil	S22-Fe27851			X	X	X	X
5	IA_IB_TP08_0.1	Feb 15, 2022		Soil	S22-Fe27852	X		X	X	X	X
6	IA_IB_TP08_0	Feb 15, 2022		Soil	S22-Fe27853			X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.5										
7	IA_IB_TP14_0.1	Feb 15, 2022		Soil	S22-Fe27854	X		X	X	X	X
8	IA_IB_TP14_0.5	Feb 15, 2022		Soil	S22-Fe27855			X	X	X	X
9	IA_IB_TP19_0.1	Feb 15, 2022		Soil	S22-Fe27856	X		X	X	X	X
10	IA_IB_TP19_0.5	Feb 15, 2022		Soil	S22-Fe27857			X	X	X	X
11	IA_IB_TP21_0.1	Feb 15, 2022		Soil	S22-Fe27858	X		X	X	X	X
12	IA_IB_TP21_0.3	Feb 15, 2022		Soil	S22-Fe27859			X	X	X	X

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
13	IA_IB_TP22_0.1	Feb 15, 2022		Soil	S22-Fe27860	X		X	X	X	X
14	IA_IB_TP22_0.4	Feb 15, 2022		Soil	S22-Fe27861			X	X	X	X
15	IA_IB_TP23_0.1	Feb 15, 2022		Soil	S22-Fe27862	X		X	X	X	X
16	IA_IB_TP23_0.3	Feb 15, 2022		Soil	S22-Fe27863			X	X	X	X
17	IA_IB_TP24_0.1	Feb 15, 2022		Soil	S22-Fe27864	X		X	X	X	X
18	IA_IB_TP24_0.4	Feb 15, 2022		Soil	S22-Fe27865			X	X	X	X
19	IA_IB_TP25_0	Feb 15, 2022		Soil	S22-Fe27866		X				

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.1										
20	IA_IB_TP25_0.4	Feb 15, 2022		Soil	S22-Fe27867		X				
21	IA_IB_TP29_0.1	Feb 15, 2022		Soil	S22-Fe27868	X		X	X	X	X
22	IA_IB_TP29_0.4	Feb 15, 2022		Soil	S22-Fe27869			X	X	X	X
23	IA_IB_TP28_0.1	Feb 15, 2022		Soil	S22-Fe27870	X		X	X	X	X
24	IA_IB_TP28_0.3	Feb 15, 2022		Soil	S22-Fe27871			X	X	X	X
25	IA_IB_TP27_0.1	Feb 15, 2022		Soil	S22-Fe27872	X		X	X	X	X

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
26	IA_IB_TP27_0.3	Feb 15, 2022		Soil	S22-Fe27873			X	X	X	X
27	IA_IB_TP30_0.1	Feb 15, 2022		Soil	S22-Fe27874	X		X	X	X	X
28	IA_IB_TP30_0.3	Feb 15, 2022		Soil	S22-Fe27875			X	X	X	X
29	IA_IB_TP33_0.1	Feb 15, 2022		Soil	S22-Fe27876	X		X	X	X	X
30	IA_IB_TP33_0.4	Feb 15, 2022		Soil	S22-Fe27877			X	X	X	X
31	IA_IB_TP34_0.1	Feb 15, 2022		Soil	S22-Fe27878	X		X	X	X	X
32	IA_IB_TP34_0	Feb 15, 2022		Soil	S22-Fe27879			X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.4										
33	IA_IB_TP35_0.1	Feb 15, 2022		Soil	S22-Fe27880	X		X	X	X	X
34	IA_IB_TP35_0.4	Feb 15, 2022		Soil	S22-Fe27881			X	X	X	X
35	IA_IB_TP36_0.1	Feb 15, 2022		Soil	S22-Fe27882	X		X	X	X	X
36	IA_IB_TP36_0.3	Feb 15, 2022		Soil	S22-Fe27883			X	X	X	X
37	IA_IB_TP39_0.1	Feb 15, 2022		Soil	S22-Fe27884	X		X	X	X	X
38	IA_IB_TP39_0.3	Feb 15, 2022		Soil	S22-Fe27885			X	X	X	X

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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
39	IA_IB_TP40_0.05	Feb 15, 2022		Soil	S22-Fe27886	X		X	X	X	X
40	IA_IB_TP40_0.3	Feb 15, 2022		Soil	S22-Fe27887			X	X	X	X
41	IA_IB_TP41_0.1	Feb 15, 2022		Soil	S22-Fe27888	X		X	X	X	X
42	IA_IB_TP41_0.4	Feb 15, 2022		Soil	S22-Fe27889			X	X	X	X
43	IA_IB_TP46_0.1	Feb 15, 2022		Soil	S22-Fe27890	X		X	X	X	X
44	IA_IB_TP46_0.5	Feb 15, 2022		Soil	S22-Fe27891			X	X	X	X
45	IA_IB_TP38_0	Feb 15, 2022		Soil	S22-Fe27892	X		X	X	X	X

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Project Name: WPCA-BCC
Project ID: 0571466

Order No.:
Report #: 863497
Phone: 02 8584 8888
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Received: Feb 15, 2022 3:06 PM
Due: Feb 16, 2022
Priority: Overnight
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.1										
46	IA_IB_TP38_0.4	Feb 15, 2022		Soil	S22-Fe27893			X	X	X	X
47	IA_IB_TP26_0.1	Feb 15, 2022		Soil	S22-Fe28005	X		X	X	X	X
48	IA_IB_TP26_0.4	Feb 15, 2022		Soil	S22-Fe28006			X	X	X	X
Test Counts						23	2	46	46	46	46

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. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. 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).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

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**).
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 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 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 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 visibly distinguish 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 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 degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
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)].
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 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure 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 the AS 4964-2004. May include (but 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

Sample Integrity

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

Asbestos Counter/Identifier:

Sayeed Abu	Senior Analyst-Asbestos (NSW)

Authorised by:

Chamath JHM Annakkage	Senior Analyst-Asbestos (NSW)

Glenn Jackson
General Manager

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

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.

ERM Sydney
Level 15, 309 Kent St
Sydney
NSW 2000

Attention: **Nicholas Grbich**

Report **863497-S**
Project name WPCA-BCC
Project ID 0571466
Received Date Feb 15, 2022

Client Sample ID			**IA_IB_TP01_0.1**	**IA_IB_TP01_0.5**	**IA_IB_TP07_0.1**	**IA_IB_TP07_0.4**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27848**	**S22-Fe27849**	**S22-Fe27850**	**S22-Fe27851**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	69	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	69	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	102	114	112	110
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			IA_IB_TP01_0.1	IA_IB_TP01_0.5	IA_IB_TP07_0.1	IA_IB_TP07_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27848**	**S22-Fe27849**	**S22-Fe27850**	**S22-Fe27851**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	102	114	112	110
Toluene-d8 (surr.)	1	%	98	113	115	113

Client Sample ID			IA_IB_TP01_0.1	IA_IB_TP01_0.5	IA_IB_TP07_0.1	IA_IB_TP07_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27848**	**S22-Fe27849**	**S22-Fe27850**	**S22-Fe27851**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	124	123	145	105
p-Terphenyl-d14 (surr.)	1	%	122	113	132	106
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	0.09	< 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	0.09	< 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	%	99	98	137	94
Tetrachloro-m-xylene (surr.)	1	%	124	119	145	106

Client Sample ID			IA_IB_TP01_0.1	IA_IB_TP01_0.5	IA_IB_TP07_0.1	IA_IB_TP07_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27848**	**S22-Fe27849**	**S22-Fe27850**	**S22-Fe27851**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	105	98	128	97
Semivolatile Organics						
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
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

Client Sample ID			IA_IB_TP01_0.1	IA_IB_TP01_0.5	IA_IB_TP07_0.1	IA_IB_TP07_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27848	S22-Fe27849	S22-Fe27850	S22-Fe27851
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	124	123	145	105
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	82	75	117	72
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			IA_IB_TP01_0.1	IA_IB_TP01_0.5	IA_IB_TP07_0.1	IA_IB_TP07_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27848**	**S22-Fe27849**	**S22-Fe27850**	**S22-Fe27851**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	150	133	INT	INT
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	%	130	115	148	115
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

Client Sample ID			IA_IB_TP01_0.1	IA_IB_TP01_0.5	IA_IB_TP07_0.1	IA_IB_TP07_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27848**	**S22-Fe27849**	**S22-Fe27850**	**S22-Fe27851**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.4	10	12	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	10	23	34	40
Copper	5	mg/kg	13	21	28	23
Lead	5	mg/kg	17	16	23	25
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.8	13	13	9.2
Zinc	5	mg/kg	48	50	70	46
% Moisture	1	%	24	17	13	13
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	%	91	90	90	86
13C5-PFPeA (surr.)	1	%	109	105	108	107
13C5-PFHxA (surr.)	1	%	102	94	95	95
13C4-PFHpA (surr.)	1	%	101	94	94	92
13C8-PFOA (surr.)	1	%	98	95	91	92
13C5-PFNA (surr.)	1	%	103	96	91	93
13C6-PFDA (surr.)	1	%	104	96	90	100
13C2-PFUnDA (surr.)	1	%	115	100	94	101
13C2-PFDoDA (surr.)	1	%	116	103	107	111
13C2-PFTeDA (surr.)	1	%	102	105	103	102
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	%	95	93	87	83
D3-N-MeFOSA (surr.)	1	%	89	90	83	77
D5-N-EtFOSA (surr.)	1	%	95	91	88	82
D7-N-MeFOSE (surr.)	1	%	91	88	84	80
D9-N-EtFOSE (surr.)	1	%	93	93	86	83

Client Sample ID			IA_IB_TP01_0.1	IA_IB_TP01_0.5	IA_IB_TP07_0.1	IA_IB_TP07_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27848**	**S22-Fe27849**	**S22-Fe27850**	**S22-Fe27851**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	113	93	91	113
D3-N-MeFOSAA (surr.)	1	%	111	87	83	88
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	5.7	< 5	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	< 5	< 5
13C3-PFBS (surr.)	1	%	103	100	103	101
18O2-PFHxS (surr.)	1	%	102	94	99	94
13C8-PFOS (surr.)	1	%	105	99	92	96
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	%	106	94	117	123
13C2-6:2 FTSA (surr.)	1	%	103	97	96	106
13C2-8:2 FTSA (surr.)	1	%	125	107	113	126
13C2-10:2 FTSA (surr.)	1	%	113	94	100	130
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	5.7	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	5.7	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	5.7	< 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			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	116	105	111	126
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
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

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	116	105	111	126
Toluene-d8 (surr.)	1	%	122	114	124	132
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	89	116	105
p-Terphenyl-d14 (surr.)	1	%	101	79	116	121

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
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	%	86	69	114	99
Tetrachloro-m-xylene (surr.)	1	%	104	81	111	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
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

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	87	71	111	105
Semivolatile Organics						
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
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	%	96	89	116	105
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	72	69	96	88
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27852	S22-Fe27853	S22-Fe27854	S22-Fe27855
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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
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
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

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	126	99	INT	INT
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	%	109	91	133	120
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
Heavy Metals						
Arsenic	2	mg/kg	11	9.1	13	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	16	33	32
Copper	5	mg/kg	27	23	19	29
Lead	5	mg/kg	29	17	26	23
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	18	14	13	13
Zinc	5	mg/kg	78	55	49	60
% Moisture	1	%	14	15	12	16
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	%	82	87	94	89

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	95	110	110	103
13C5-PFHxA (surr.)	1	%	92	91	98	92
13C4-PFHpA (surr.)	1	%	90	93	96	87
13C8-PFOA (surr.)	1	%	87	89	96	86
13C5-PFNA (surr.)	1	%	94	95	107	88
13C6-PFDA (surr.)	1	%	99	100	106	87
13C2-PFUnDA (surr.)	1	%	95	99	110	90
13C2-PFDoDA (surr.)	1	%	95	104	115	91
13C2-PFTeDA (surr.)	1	%	91	106	118	96
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	%	80	90	99	84
D3-N-MeFOSA (surr.)	1	%	72	85	90	83
D5-N-EtFOSA (surr.)	1	%	75	83	94	83
D7-N-MeFOSE (surr.)	1	%	73	83	86	82
D9-N-EtFOSE (surr.)	1	%	76	85	97	84
D5-N-EtFOSAA (surr.)	1	%	113	102	114	72
D3-N-MeFOSAA (surr.)	1	%	104	86	107	74
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	%	97	96	110	97
18O2-PFHxS (surr.)	1	%	95	97	103	90
13C8-PFOS (surr.)	1	%	93	96	105	89
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	%	150	108	118	102
13C2-6:2 FTSA (surr.)	1	%	135	96	117	92

Client Sample ID			IA_IB_TP08_0.1	IA_IB_TP08_0.5	IA_IB_TP14_0.1	IA_IB_TP14_0.5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27852**	**S22-Fe27853**	**S22-Fe27854**	**S22-Fe27855**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	163	130	144	113
13C2-10:2 FTSA (surr.)	1	%	150	121	150	92
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27856**	**S22-Fe27857**	**S22-Fe27858**	**S22-Fe27859**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	126	123	114	104
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

Client Sample ID			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27856**	**S22-Fe27857**	**S22-Fe27858**	**S22-Fe27859**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	126	123	114	104
Toluene-d8 (surr.)	1	%	139	133	120	106

Client Sample ID			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27856**	**S22-Fe27857**	**S22-Fe27858**	**S22-Fe27859**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	107	120	108	126
p-Terphenyl-d14 (surr.)	1	%	112	129	106	114
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	%	96	107	91	101
Tetrachloro-m-xylene (surr.)	1	%	109	109	105	112

Client Sample ID			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27856**	**S22-Fe27857**	**S22-Fe27858**	**S22-Fe27859**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	94	105	90	101
Semivolatile Organics						
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
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

Client Sample ID			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27856	S22-Fe27857	S22-Fe27858	S22-Fe27859
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	107	120	108	126
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	92	85	81	90
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27856**	**S22-Fe27857**	**S22-Fe27858**	**S22-Fe27859**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	INT	INT	146	INT
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	%	127	132	122	132
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

Client Sample ID			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27856**	**S22-Fe27857**	**S22-Fe27858**	**S22-Fe27859**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	9.2	8.3	13	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	29	29	20	21
Copper	5	mg/kg	18	21	18	26
Lead	5	mg/kg	24	23	25	19
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	12	10	13
Zinc	5	mg/kg	49	32	31	51
% Moisture	1	%	17	15	14	19
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	%	100	86	79	79
13C5-PFPeA (surr.)	1	%	120	105	94	91
13C5-PFHxA (surr.)	1	%	109	93	80	76
13C4-PFHpA (surr.)	1	%	102	87	79	72
13C8-PFOA (surr.)	1	%	105	89	78	71
13C5-PFNA (surr.)	1	%	103	91	79	67
13C6-PFDA (surr.)	1	%	106	90	80	67
13C2-PFUnDA (surr.)	1	%	111	93	84	64
13C2-PFDoDA (surr.)	1	%	119	93	81	62
13C2-PFTeDA (surr.)	1	%	109	90	97	66
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	%	99	91	76	57
D3-N-MeFOSA (surr.)	1	%	92	84	75	42
D5-N-EtFOSA (surr.)	1	%	97	87	76	43
D7-N-MeFOSE (surr.)	1	%	96	85	72	50
D9-N-EtFOSE (surr.)	1	%	93	84	78	54

Client Sample ID			IA_IB_TP19_0.1	IA_IB_TP19_0.5	IA_IB_TP21_0.1	IA_IB_TP21_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27856**	**S22-Fe27857**	**S22-Fe27858**	**S22-Fe27859**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	109	66	71	51
D3-N-MeFOSAA (surr.)	1	%	104	62	77	51
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	%	110	95	87	78
18O2-PFHxS (surr.)	1	%	110	95	88	72
13C8-PFOS (surr.)	1	%	115	99	87	66
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	%	121	98	86	80
13C2-6:2 FTSA (surr.)	1	%	110	95	81	67
13C2-8:2 FTSA (surr.)	1	%	137	113	100	79
13C2-10:2 FTSA (surr.)	1	%	132	99	90	67
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	61	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	64	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	125	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	120	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	120	< 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	%	82	84	83	88
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
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

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	82	84	83	88
Toluene-d8 (surr.)	1	%	114	125	127	135
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	%	140	117	57	135
p-Terphenyl-d14 (surr.)	1	%	122	119	55	123

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
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	%	102	98	INT	115
Tetrachloro-m-xylene (surr.)	1	%	116	115	53	117
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

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	104	100	52	109
Semivolatile Organics						
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
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	%	140	117	57	135
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	105	89	INT	72
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27860	S22-Fe27861	S22-Fe27862	S22-Fe27863
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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
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
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

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	INT	INT	76	INT
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	%	128	129	63	141
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
Heavy Metals						
Arsenic	2	mg/kg	10	8.9	6.8	10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	19	14	19
Copper	5	mg/kg	12	19	15	22
Lead	5	mg/kg	18	13	16	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.2	7.4	7.5	7.7
Zinc	5	mg/kg	24	34	35	33
% Moisture	1	%	15	19	9.8	19
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	%	83	91	88	95

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	97	108	105	113
13C5-PFHxA (surr.)	1	%	91	95	93	101
13C4-PFHpA (surr.)	1	%	82	88	93	93
13C8-PFOA (surr.)	1	%	80	92	90	97
13C5-PFNA (surr.)	1	%	81	92	91	99
13C6-PFDA (surr.)	1	%	86	92	93	99
13C2-PFUnDA (surr.)	1	%	82	92	97	95
13C2-PFDoDA (surr.)	1	%	81	91	102	93
13C2-PFTeDA (surr.)	1	%	82	99	89	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	%	78	92	86	90
D3-N-MeFOSA (surr.)	1	%	75	88	77	83
D5-N-EtFOSA (surr.)	1	%	76	92	82	89
D7-N-MeFOSE (surr.)	1	%	76	87	81	88
D9-N-EtFOSE (surr.)	1	%	79	91	82	91
D5-N-EtFOSAA (surr.)	1	%	77	82	98	98
D3-N-MeFOSAA (surr.)	1	%	78	83	100	94
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	%	90	96	96	102
18O2-PFHxS (surr.)	1	%	83	97	94	98
13C8-PFOS (surr.)	1	%	83	90	94	100
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	%	92	96	109	106
13C2-6:2 FTSA (surr.)	1	%	88	90	104	93

Client Sample ID			IA_IB_TP22_0.1	IA_IB_TP22_0.4	IA_IB_TP23_0.1	IA_IB_TP23_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27860**	**S22-Fe27861**	**S22-Fe27862**	**S22-Fe27863**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	99	106	116	120
13C2-10:2 FTSA (surr.)	1	%	92	88	123	111
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27864**	**S22-Fe27865**	**S22-Fe27868**	**S22-Fe27869**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	91	81	90	93
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

Client Sample ID			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27864	S22-Fe27865	S22-Fe27868	S22-Fe27869
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	81	90	93
Toluene-d8 (surr.)	1	%	129	106	118	120

Client Sample ID			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27864**	**S22-Fe27865**	**S22-Fe27868**	**S22-Fe27869**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	94	117	134	129
p-Terphenyl-d14 (surr.)	1	%	86	115	120	112
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	%	72	103	123	141
Tetrachloro-m-xylene (surr.)	1	%	82	121	122	119

Client Sample ID			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27864**	**S22-Fe27865**	**S22-Fe27868**	**S22-Fe27869**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	71	101	126	138
Semivolatile Organics						
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
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

Client Sample ID			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27864	S22-Fe27865	S22-Fe27868	S22-Fe27869
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	94	117	134	129
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	67	86	77	75
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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-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

Client Sample ID			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27864**	**S22-Fe27865**	**S22-Fe27868**	**S22-Fe27869**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	115	150	INT	148
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	%	89	123	122	130
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

Client Sample ID			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27864**	**S22-Fe27865**	**S22-Fe27868**	**S22-Fe27869**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	15	18	13	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	29	36	22	25
Copper	5	mg/kg	22	33	19	18
Lead	5	mg/kg	26	29	23	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	14	16	13
Zinc	5	mg/kg	47	63	37	43
% Moisture	1	%	16	18	18	20
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	%	94	88	86	95
13C5-PFPeA (surr.)	1	%	114	112	101	116
13C5-PFHxA (surr.)	1	%	99	91	85	94
13C4-PFHpA (surr.)	1	%	98	87	83	88
13C8-PFOA (surr.)	1	%	98	87	85	98
13C5-PFNA (surr.)	1	%	99	84	82	91
13C6-PFDA (surr.)	1	%	103	85	84	90
13C2-PFUnDA (surr.)	1	%	102	78	82	87
13C2-PFDoDA (surr.)	1	%	111	80	85	84
13C2-PFTeDA (surr.)	1	%	109	77	82	82
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	%	93	77	74	83
D3-N-MeFOSA (surr.)	1	%	88	74	72	76
D5-N-EtFOSA (surr.)	1	%	90	79	76	79
D7-N-MeFOSE (surr.)	1	%	89	77	73	82
D9-N-EtFOSE (surr.)	1	%	94	80	76	85

Client Sample ID			IA_IB_TP24_0.1	IA_IB_TP24_0.4	IA_IB_TP29_0.1	IA_IB_TP29_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27864**	**S22-Fe27865**	**S22-Fe27868**	**S22-Fe27869**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	104	61	66	76
D3-N-MeFOSAA (surr.)	1	%	96	62	83	80
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	%	103	92	90	100
18O2-PFHxS (surr.)	1	%	101	90	90	98
13C8-PFOS (surr.)	1	%	102	81	85	87
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	%	113	94	100	102
13C2-6:2 FTSA (surr.)	1	%	106	81	77	89
13C2-8:2 FTSA (surr.)	1	%	123	94	92	96
13C2-10:2 FTSA (surr.)	1	%	129	84	95	91
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27870**	**S22-Fe27871**	**S22-Fe27872**	**S22-Fe27873**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	54	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	54	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27870**	**S22-Fe27871**	**S22-Fe27872**	**S22-Fe27873**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	81	89	118	98
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
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

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27870**	**S22-Fe27871**	**S22-Fe27872**	**S22-Fe27873**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	81	89	118	98
Toluene-d8 (surr.)	1	%	123	127	85	84
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	%	139	127	110	104
p-Terphenyl-d14 (surr.)	1	%	113	108	94	89

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27870**	**S22-Fe27871**	**S22-Fe27872**	**S22-Fe27873**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
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	%	150	124	141	130
Tetrachloro-m-xylene (surr.)	1	%	126	112	98	93
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

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27870**	**S22-Fe27871**	**S22-Fe27872**	**S22-Fe27873**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	144	126	INT	INT
Semivolatile Organics						
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
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	%	139	127	110	104
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	76	74	104	102
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27870	S22-Fe27871	S22-Fe27872	S22-Fe27873
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 1	< 1
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-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
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
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

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27870	S22-Fe27871	S22-Fe27872	S22-Fe27873
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	146	142	81	76
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	%	147	124	85	76
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
Heavy Metals						
Arsenic	2	mg/kg	12	20	13	15
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	19	24	26
Copper	5	mg/kg	25	20	21	34
Lead	5	mg/kg	21	16	25	22
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	16	7.1	12	19
Zinc	5	mg/kg	62	35	42	67
% Moisture	1	%	13	19	14	18
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	%	98	99	89	92

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27870	S22-Fe27871	S22-Fe27872	S22-Fe27873
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	110	120	102	114
13C5-PFHxA (surr.)	1	%	103	103	91	94
13C4-PFHpA (surr.)	1	%	94	96	85	82
13C8-PFOA (surr.)	1	%	96	100	91	88
13C5-PFNA (surr.)	1	%	94	94	79	82
13C6-PFDA (surr.)	1	%	101	96	79	84
13C2-PFUnDA (surr.)	1	%	102	95	84	78
13C2-PFDoDA (surr.)	1	%	109	94	80	80
13C2-PFTeDA (surr.)	1	%	108	98	78	77
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	92	73	76
D3-N-MeFOSA (surr.)	1	%	87	90	72	78
D5-N-EtFOSA (surr.)	1	%	88	93	79	81
D7-N-MeFOSE (surr.)	1	%	89	95	79	79
D9-N-EtFOSE (surr.)	1	%	98	98	82	80
D5-N-EtFOSAA (surr.)	1	%	109	78	70	64
D3-N-MeFOSAA (surr.)	1	%	104	86	71	63
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	%	97	103	96	91
18O2-PFHxS (surr.)	1	%	86	100	91	88
13C8-PFOS (surr.)	1	%	97	95	79	81
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	%	148	95	100	84
13C2-6:2 FTSA (surr.)	1	%	103	86	83	75

Client Sample ID			IA_IB_TP28_0.1	IA_IB_TP28_0.3	IA_IB_TP27_0.1	IA_IB_TP27_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27870**	**S22-Fe27871**	**S22-Fe27872**	**S22-Fe27873**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	112	99	73	79
13C2-10:2 FTSA (surr.)	1	%	153	95	80	71
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27874**	**S22-Fe27875**	**S22-Fe27876**	**S22-Fe27877**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	108	111	108	112
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

Client Sample ID			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27874**	**S22-Fe27875**	**S22-Fe27876**	**S22-Fe27877**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	108	111	108	112
Toluene-d8 (surr.)	1	%	90	97	97	87

Client Sample ID			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27874**	**S22-Fe27875**	**S22-Fe27876**	**S22-Fe27877**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	131	115	107	94
p-Terphenyl-d14 (surr.)	1	%	117	119	109	105
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	%	95	139	145	138
Tetrachloro-m-xylene (surr.)	1	%	123	121	110	108

Client Sample ID			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27874**	**S22-Fe27875**	**S22-Fe27876**	**S22-Fe27877**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	105	INT	INT	INT
Semivolatile Organics						
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
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

Client Sample ID			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27874	S22-Fe27875	S22-Fe27876	S22-Fe27877
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	131	115	107	94
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	138	118	111	110
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 1	< 1	< 1	< 1
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-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

Client Sample ID			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27874**	**S22-Fe27875**	**S22-Fe27876**	**S22-Fe27877**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	96	87	90	71
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	%	100	105	103	93
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

Client Sample ID			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27874**	**S22-Fe27875**	**S22-Fe27876**	**S22-Fe27877**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	7.9	13	8.9	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	22	22	22
Copper	5	mg/kg	16	32	19	25
Lead	5	mg/kg	18	18	24	15
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.6	10	14	10
Zinc	5	mg/kg	44	51	45	52
% Moisture	1	%	17	17	10	17
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	%	97	96	93	94
13C5-PFPeA (surr.)	1	%	118	114	104	108
13C5-PFHxA (surr.)	1	%	101	98	88	94
13C4-PFHpA (surr.)	1	%	92	91	89	89
13C8-PFOA (surr.)	1	%	98	90	94	95
13C5-PFNA (surr.)	1	%	93	89	90	85
13C6-PFDA (surr.)	1	%	94	91	93	90
13C2-PFUnDA (surr.)	1	%	94	89	91	85
13C2-PFDoDA (surr.)	1	%	92	90	95	87
13C2-PFTeDA (surr.)	1	%	87	89	98	87
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	%	86	81	79	83
D3-N-MeFOSA (surr.)	1	%	81	76	79	80
D5-N-EtFOSA (surr.)	1	%	84	82	82	85
D7-N-MeFOSE (surr.)	1	%	83	83	79	85
D9-N-EtFOSE (surr.)	1	%	86	86	102	87

Client Sample ID			IA_IB_TP30_0.1	IA_IB_TP30_0.3	IA_IB_TP33_0.1	IA_IB_TP33_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27874**	**S22-Fe27875**	**S22-Fe27876**	**S22-Fe27877**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	83	83	89	64
D3-N-MeFOSAA (surr.)	1	%	84	86	81	62
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	%	102	102	96	100
18O2-PFHxS (surr.)	1	%	101	96	94	93
13C8-PFOS (surr.)	1	%	89	91	93	89
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	%	101	101	97	94
13C2-6:2 FTSA (surr.)	1	%	90	80	87	78
13C2-8:2 FTSA (surr.)	1	%	92	94	109	90
13C2-10:2 FTSA (surr.)	1	%	120	109	103	83
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	88	104	67	78
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
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

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	88	104	67	78
Toluene-d8 (surr.)	1	%	116	147	80	105
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	%	107	94	103	102
p-Terphenyl-d14 (surr.)	1	%	113	92	104	106

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
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	%	140	77	102	95
Tetrachloro-m-xylene (surr.)	1	%	113	103	109	110
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

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	INT	84	128	111
Semivolatile Organics						
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
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	%	107	94	103	102
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	115	70	73	84
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27878	S22-Fe27879	S22-Fe27880	S22-Fe27881
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 1	< 1	< 1	< 1
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-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
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
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

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	91	62	79	79
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	%	99	80	89	97
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
Heavy Metals						
Arsenic	2	mg/kg	6.7	7.4	11	15
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	25	25	31
Copper	5	mg/kg	18	23	22	33
Lead	5	mg/kg	26	24	28	30
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	14	16	18	20
Zinc	5	mg/kg	53	55	46	67
% Moisture	1	%	22	18	21	20
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	%	91	95	85	87

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	109	110	104	103
13C5-PFHxA (surr.)	1	%	100	99	90	91
13C4-PFHpA (surr.)	1	%	89	93	82	84
13C8-PFOA (surr.)	1	%	90	94	90	90
13C5-PFNA (surr.)	1	%	87	91	83	83
13C6-PFDA (surr.)	1	%	93	94	88	85
13C2-PFUnDA (surr.)	1	%	96	86	81	83
13C2-PFDoDA (surr.)	1	%	89	88	84	81
13C2-PFTeDA (surr.)	1	%	92	90	78	82
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	%	83	86	88	83
D3-N-MeFOSA (surr.)	1	%	80	83	81	83
D5-N-EtFOSA (surr.)	1	%	84	88	86	86
D7-N-MeFOSE (surr.)	1	%	90	85	85	84
D9-N-EtFOSE (surr.)	1	%	82	90	87	86
D5-N-EtFOSAA (surr.)	1	%	77	67	61	37
D3-N-MeFOSAA (surr.)	1	%	77	59	55	37
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	%	97	98	91	94
18O2-PFHxS (surr.)	1	%	93	97	93	92
13C8-PFOS (surr.)	1	%	90	91	85	80
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	%	104	91	89	89
13C2-6:2 FTSA (surr.)	1	%	85	84	77	73

Client Sample ID			IA_IB_TP34_0.1	IA_IB_TP34_0.4	IA_IB_TP35_0.1	IA_IB_TP35_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27878**	**S22-Fe27879**	**S22-Fe27880**	**S22-Fe27881**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	108	95	89	83
13C2-10:2 FTSA (surr.)	1	%	112	87	86	79
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27882**	**S22-Fe27883**	**S22-Fe27884**	**S22-Fe27885**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	72	70	73	79
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

Client Sample ID			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27882	S22-Fe27883	S22-Fe27884	S22-Fe27885
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	72	70	73	79
Toluene-d8 (surr.)	1	%	96	99	96	103

Client Sample ID			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27882	S22-Fe27883	S22-Fe27884	S22-Fe27885
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
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	%	108	95	115	125
p-Terphenyl-d14 (surr.)	1	%	108	116	115	119
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	%	126	126	149	INT
Tetrachloro-m-xylene (surr.)	1	%	112	115	114	124

Client Sample ID			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27882**	**S22-Fe27883**	**S22-Fe27884**	**S22-Fe27885**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	INT	INT	INT	INT
Semivolatile Organics						
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
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

Client Sample ID			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27882	S22-Fe27883	S22-Fe27884	S22-Fe27885
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	108	95	115	125
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	77	88	95	125
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 1	< 1	< 1	< 1
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-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

Client Sample ID			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27882**	**S22-Fe27883**	**S22-Fe27884**	**S22-Fe27885**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	85	73	91	100
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	%	95	96	97	103
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

Client Sample ID			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27882**	**S22-Fe27883**	**S22-Fe27884**	**S22-Fe27885**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	11	12	10	8.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	23	21	17
Copper	5	mg/kg	16	28	24	24
Lead	5	mg/kg	23	20	24	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	13	13	8.0
Zinc	5	mg/kg	28	49	62	38
% Moisture	1	%	19	17	13	19
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	95	96	99
13C5-PFPeA (surr.)	1	%	117	115	112	119
13C5-PFHxA (surr.)	1	%	95	98	101	103
13C4-PFHpA (surr.)	1	%	94	91	92	95
13C8-PFOA (surr.)	1	%	98	99	95	96
13C5-PFNA (surr.)	1	%	91	95	93	91
13C6-PFDA (surr.)	1	%	99	91	99	94
13C2-PFUnDA (surr.)	1	%	91	88	92	88
13C2-PFDoDA (surr.)	1	%	94	93	102	99
13C2-PFTeDA (surr.)	1	%	88	90	94	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	%	88	88	81	82
D3-N-MeFOSA (surr.)	1	%	84	87	82	75
D5-N-EtFOSA (surr.)	1	%	86	92	82	78
D7-N-MeFOSE (surr.)	1	%	85	92	81	80
D9-N-EtFOSE (surr.)	1	%	88	90	82	86

Client Sample ID			IA_IB_TP36_0.1	IA_IB_TP36_0.3	IA_IB_TP39_0.1	IA_IB_TP39_0.3
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27882**	**S22-Fe27883**	**S22-Fe27884**	**S22-Fe27885**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	85	70	102	89
D3-N-MeFOSAA (surr.)	1	%	92	73	97	87
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	%	103	102	107	101
18O2-PFHxS (surr.)	1	%	97	98	99	98
13C8-PFOS (surr.)	1	%	90	91	95	89
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	%	111	100	109	106
13C2-6:2 FTSA (surr.)	1	%	92	84	101	93
13C2-8:2 FTSA (surr.)	1	%	98	88	120	95
13C2-10:2 FTSA (surr.)	1	%	112	88	145	100
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	79	78	73	79
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
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

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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	%	79	78	73	79
Toluene-d8 (surr.)	1	%	109	100	102	117
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	%	86	103	105	81
p-Terphenyl-d14 (surr.)	1	%	89	110	105	86

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
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	%	111	137	138	114
Tetrachloro-m-xylene (surr.)	1	%	90	110	105	85
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

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	138	INT	INT	141
Semivolatile Organics						
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
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	%	86	103	105	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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	84	111	111	87
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
2.6-Dinitrotoluene	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Fe27886	S22-Fe27887	S22-Fe27888	S22-Fe27889
Date Sampled			Feb 15, 2022	Feb 15, 2022	Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 1	< 1	< 1	< 1
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-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
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
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

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	63	68	82	60
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	%	65	85	79	64
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
Heavy Metals						
Arsenic	2	mg/kg	7.1	9.8	9.1	19
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	24	24	28
Copper	5	mg/kg	19	30	21	48
Lead	5	mg/kg	24	19	20	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	14	21	14	23
Zinc	5	mg/kg	36	76	50	96
% Moisture	1	%	19	17	12	17
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	%	100	94	89	90

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFPeA (surr.)	1	%	125	112	104	109
13C5-PFHxA (surr.)	1	%	102	101	88	97
13C4-PFHpA (surr.)	1	%	99	93	91	90
13C8-PFOA (surr.)	1	%	105	98	90	95
13C5-PFNA (surr.)	1	%	97	91	91	88
13C6-PFDA (surr.)	1	%	96	92	96	93
13C2-PFUnDA (surr.)	1	%	96	84	91	86
13C2-PFDoDA (surr.)	1	%	89	90	94	91
13C2-PFTeDA (surr.)	1	%	96	84	102	93
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	%	87	82	81	81
D3-N-MeFOSA (surr.)	1	%	86	81	79	82
D5-N-EtFOSA (surr.)	1	%	89	85	81	82
D7-N-MeFOSE (surr.)	1	%	89	86	82	82
D9-N-EtFOSE (surr.)	1	%	93	84	98	95
D5-N-EtFOSAA (surr.)	1	%	75	71	94	66
D3-N-MeFOSAA (surr.)	1	%	77	65	84	68
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	%	103	100	98	94
18O2-PFHxS (surr.)	1	%	105	94	92	92
13C8-PFOS (surr.)	1	%	96	88	90	86
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	%	104	93	98	94
13C2-6:2 FTSA (surr.)	1	%	86	80	90	81

Client Sample ID			IA_IB_TP40_0.05	IA_IB_TP40_0.3	IA_IB_TP41_0.1	IA_IB_TP41_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27886**	**S22-Fe27887**	**S22-Fe27888**	**S22-Fe27889**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
13C2-8:2 FTSA (surr.)	1	%	92	84	96	88
13C2-10:2 FTSA (surr.)	1	%	98	86	99	92
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	52	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	52	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	%	87	79	89	91
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

Client Sample ID			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Volatile Organics						
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
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	%	87	79	89	91
Toluene-d8 (surr.)	1	%	122	111	134	118

Client Sample ID			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	118	89	107	95
p-Terphenyl-d14 (surr.)	1	%	105	115	87	81
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	%	150	INT	150	113
Tetrachloro-m-xylene (surr.)	1	%	111	125	100	86

Client Sample ID			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
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	%	INT	INT	INT	INT
Semivolatile Organics						
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
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

Client Sample ID			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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	%	118	89	107	95
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
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-Dinitrotoluene	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-Tribromophenol (surr.)	1	%	114	109	99	97
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
2.6-Dinitrotoluene	1	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	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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	< 1	< 1	< 1	< 1
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-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

Client Sample ID			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Semivolatile Organics						
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
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	%	92	96	76	70
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	%	104	111	68	74
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

Client Sample ID			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	5.7	5.9	11	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	14	20	35	43
Copper	5	mg/kg	17	24	14	18
Lead	5	mg/kg	24	19	24	24
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	14	17	9.3	10
Zinc	5	mg/kg	48	52	31	34
% Moisture	1	%	11	16	10	14
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	%	89	90	88	88
13C5-PFPeA (surr.)	1	%	105	107	101	103
13C5-PFHxA (surr.)	1	%	89	95	91	95
13C4-PFHpA (surr.)	1	%	87	89	94	91
13C8-PFOA (surr.)	1	%	88	93	91	90
13C5-PFNA (surr.)	1	%	86	88	91	89
13C6-PFDA (surr.)	1	%	92	93	98	91
13C2-PFUnDA (surr.)	1	%	84	91	92	90
13C2-PFDoDA (surr.)	1	%	91	91	98	96
13C2-PFTeDA (surr.)	1	%	86	91	93	88
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	%	76	82	79	87
D3-N-MeFOSA (surr.)	1	%	75	82	72	87
D5-N-EtFOSA (surr.)	1	%	78	82	76	85
D7-N-MeFOSE (surr.)	1	%	76	80	76	81
D9-N-EtFOSE (surr.)	1	%	79	83	77	86

Client Sample ID			IA_IB_TP46_0.1	IA_IB_TP46_0.5	IA_IB_TP38_0.1	IA_IB_TP38_0.4
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe27890**	**S22-Fe27891**	**S22-Fe27892**	**S22-Fe27893**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D5-N-EtFOSAA (surr.)	1	%	84	75	109	69
D3-N-MeFOSAA (surr.)	1	%	79	75	91	62
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	%	95	99	103	100
18O2-PFHxS (surr.)	1	%	92	96	94	94
13C8-PFOS (surr.)	1	%	86	86	90	92
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	%	95	101	121	99
13C2-6:2 FTSA (surr.)	1	%	84	88	113	83
13C2-8:2 FTSA (surr.)	1	%	95	88	132	104
13C2-10:2 FTSA (surr.)	1	%	117	102	174	109
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	< 5	< 5
Sum of enHealth PFAS (PFHxS + 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			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe28005**	**S22-Fe28006**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**
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
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20

Client Sample ID			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe28005**	**S22-Fe28006**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**
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
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	%	104	91
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

Client Sample ID			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe28005**	**S22-Fe28006**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit		
Volatile Organics				
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	%	104	91
Toluene-d8 (surr.)	1	%	75	122
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	%	124	114
p-Terphenyl-d14 (surr.)	1	%	116	126

Client Sample ID			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			Soil	Soil
Eurofins Sample No.			S22-Fe28005	S22-Fe28006
Date Sampled			Feb 15, 2022	Feb 15, 2022
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	%	141	138
Tetrachloro-m-xylene (surr.)	1	%	114	126
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			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe28005**	**S22-Fe28006**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**
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	%	134	131
Semivolatile Organics				
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
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	< 1
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	%	124	114
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	< 1	< 1
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	%	69	67
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

Client Sample ID			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			Soil	Soil
Eurofins Sample No.			S22-Fe28005	S22-Fe28006
Date Sampled			Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit		
Semivolatile Organics				
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-Bromophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1
4-Chlorophenyl phenyl ether	0.5	mg/kg	< 0.5	< 0.5
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-chloroethoxy)methane	0.5	mg/kg	< 0.5	< 0.5
Bis(2-chloroisopropyl)ether	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

Client Sample ID			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe28005**	**S22-Fe28006**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit		
Semivolatile Organics				
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	%	139	116
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	%	118	137
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
Heavy Metals				
Arsenic	2	mg/kg	11	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4
Chromium	5	mg/kg	15	22
Copper	5	mg/kg	20	23
Lead	5	mg/kg	22	20
Mercury	0.1	mg/kg	< 0.1	< 0.1
Nickel	5	mg/kg	12	16
Zinc	5	mg/kg	35	48
% Moisture	1	%	18	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	%	81	87

Client Sample ID			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			Soil	Soil
Eurofins Sample No.			S22-Fe28005	S22-Fe28006
Date Sampled			Feb 15, 2022	Feb 15, 2022
Test/Reference	LOR	Unit		
Perfluoroalkyl carboxylic acids (PFCAs)				
13C5-PFPeA (surr.)	1	%	97	106
13C5-PFHxA (surr.)	1	%	88	93
13C4-PFHpA (surr.)	1	%	86	84
13C8-PFOA (surr.)	1	%	89	95
13C5-PFNA (surr.)	1	%	80	85
13C6-PFDA (surr.)	1	%	89	90
13C2-PFUnDA (surr.)	1	%	91	88
13C2-PFDoDA (surr.)	1	%	87	89
13C2-PFTeDA (surr.)	1	%	82	86
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	%	78	81
D3-N-MeFOSA (surr.)	1	%	74	78
D5-N-EtFOSA (surr.)	1	%	76	84
D7-N-MeFOSE (surr.)	1	%	75	80
D9-N-EtFOSE (surr.)	1	%	78	83
D5-N-EtFOSAA (surr.)	1	%	72	68
D3-N-MeFOSAA (surr.)	1	%	78	70
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	%	91	90
18O2-PFHxS (surr.)	1	%	87	95
13C8-PFOS (surr.)	1	%	84	85
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	87
13C2-6:2 FTSA (surr.)	1	%	82	82

Client Sample ID			IA_IB_TP26_0.1	IA_IB_TP26_0.4
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Fe28005**	**S22-Fe28006**
Date Sampled			**Feb 15, 2022**	**Feb 15, 2022**
Test/Reference	LOR	Unit		
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				
13C2-8:2 FTSA (surr.)	1	%	87	92
13C2-10:2 FTSA (surr.)	1	%	89	91
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

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	Feb 16, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 16, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 16, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Feb 16, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Feb 16, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Feb 16, 2022	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Feb 16, 2022	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Metals M8	Sydney	Feb 16, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Feb 16, 2022	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Semivolatile Organics	Sydney	Feb 16, 2022	14 Day
- Method: LTM-ORG-2190 SVOC in Water & Soil by GC-MS			
% Moisture	Sydney	Feb 16, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Feb 16, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Feb 16, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Feb 16, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Feb 16, 2022	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Feb 16, 2022	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Company Name: ERM Sydney
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Project Name: WPCA-BCC
Project ID: 0571466

Order No.:
Report #: 863497
Phone: 02 8584 8888
Fax: 02 8584 8800

Received: Feb 15, 2022 3:06 PM
Due: Feb 16, 2022
Priority: Overnight
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**						
1	IA_IB_TP01_0.1	Feb 15, 2022		Soil	S22-Fe27848	X		X	X	X	X
2	IA_IB_TP01_0.5	Feb 15, 2022		Soil	S22-Fe27849			X	X	X	X
3	IA_IB_TP07_0.1	Feb 15, 2022		Soil	S22-Fe27850	X		X	X	X	X
4	IA_IB_TP07_0.4	Feb 15, 2022		Soil	S22-Fe27851			X	X	X	X
5	IA_IB_TP08_0.1	Feb 15, 2022		Soil	S22-Fe27852	X		X	X	X	X
6	IA_IB_TP08_0	Feb 15, 2022		Soil	S22-Fe27853			X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.5										
7	IA_IB_TP14_0.1	Feb 15, 2022		Soil	S22-Fe27854	X		X	X	X	X
8	IA_IB_TP14_0.5	Feb 15, 2022		Soil	S22-Fe27855			X	X	X	X
9	IA_IB_TP19_0.1	Feb 15, 2022		Soil	S22-Fe27856	X		X	X	X	X
10	IA_IB_TP19_0.5	Feb 15, 2022		Soil	S22-Fe27857			X	X	X	X
11	IA_IB_TP21_0.1	Feb 15, 2022		Soil	S22-Fe27858	X		X	X	X	X
12	IA_IB_TP21_0.3	Feb 15, 2022		Soil	S22-Fe27859			X	X	X	X

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Sample Detail						Asbestos - AS4964	CANCELLED	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
13	IA_IB_TP22_0.1	Feb 15, 2022		Soil	S22-Fe27860	X		X	X	X	X
14	IA_IB_TP22_0.4	Feb 15, 2022		Soil	S22-Fe27861			X	X	X	X
15	IA_IB_TP23_0.1	Feb 15, 2022		Soil	S22-Fe27862	X		X	X	X	X
16	IA_IB_TP23_0.3	Feb 15, 2022		Soil	S22-Fe27863			X	X	X	X
17	IA_IB_TP24_0.1	Feb 15, 2022		Soil	S22-Fe27864	X		X	X	X	X
18	IA_IB_TP24_0.4	Feb 15, 2022		Soil	S22-Fe27865			X	X	X	X
19	IA_IB_TP25_0	Feb 15, 2022		Soil	S22-Fe27866		X				

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NSW 2000

Project Name: WPCA-BCC
Project ID: 0571466

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Fax: 02 8584 8800

Received: Feb 15, 2022 3:06 PM
Due: Feb 16, 2022
Priority: Overnight
Contact Name: Nicholas Grbich

Eurofins Analytical Services Manager : John Nguyen

Sample Detail						Asbestos - AS4964	CANCELLED	Moisture Set	Eurofins Suite B10	Eurofins Suite SVV: SVOC/VOC	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.1										
20	IA_IB_TP25_0.4	Feb 15, 2022		Soil	S22-Fe27867		X				
21	IA_IB_TP29_0.1	Feb 15, 2022		Soil	S22-Fe27868	X		X	X	X	X
22	IA_IB_TP29_0.4	Feb 15, 2022		Soil	S22-Fe27869			X	X	X	X
23	IA_IB_TP28_0.1	Feb 15, 2022		Soil	S22-Fe27870	X		X	X	X	X
24	IA_IB_TP28_0.3	Feb 15, 2022		Soil	S22-Fe27871			X	X	X	X
25	IA_IB_TP27_0.1	Feb 15, 2022		Soil	S22-Fe27872	X		X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
26	IA_IB_TP27_0.3	Feb 15, 2022		Soil	S22-Fe27873			X	X	X	X
27	IA_IB_TP30_0.1	Feb 15, 2022		Soil	S22-Fe27874	X		X	X	X	X
28	IA_IB_TP30_0.3	Feb 15, 2022		Soil	S22-Fe27875			X	X	X	X
29	IA_IB_TP33_0.1	Feb 15, 2022		Soil	S22-Fe27876	X		X	X	X	X
30	IA_IB_TP33_0.4	Feb 15, 2022		Soil	S22-Fe27877			X	X	X	X
31	IA_IB_TP34_0.1	Feb 15, 2022		Soil	S22-Fe27878	X		X	X	X	X
32	IA_IB_TP34_0	Feb 15, 2022		Soil	S22-Fe27879			X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.4										
33	IA_IB_TP35_0.1	Feb 15, 2022		Soil	S22-Fe27880	X		X	X	X	X
34	IA_IB_TP35_0.4	Feb 15, 2022		Soil	S22-Fe27881			X	X	X	X
35	IA_IB_TP36_0.1	Feb 15, 2022		Soil	S22-Fe27882	X		X	X	X	X
36	IA_IB_TP36_0.3	Feb 15, 2022		Soil	S22-Fe27883			X	X	X	X
37	IA_IB_TP39_0.1	Feb 15, 2022		Soil	S22-Fe27884	X		X	X	X	X
38	IA_IB_TP39_0.3	Feb 15, 2022		Soil	S22-Fe27885			X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
39	IA_IB_TP40_0.05	Feb 15, 2022		Soil	S22-Fe27886	X		X	X	X	X
40	IA_IB_TP40_0.3	Feb 15, 2022		Soil	S22-Fe27887			X	X	X	X
41	IA_IB_TP41_0.1	Feb 15, 2022		Soil	S22-Fe27888	X		X	X	X	X
42	IA_IB_TP41_0.4	Feb 15, 2022		Soil	S22-Fe27889			X	X	X	X
43	IA_IB_TP46_0.1	Feb 15, 2022		Soil	S22-Fe27890	X		X	X	X	X
44	IA_IB_TP46_0.5	Feb 15, 2022		Soil	S22-Fe27891			X	X	X	X
45	IA_IB_TP38_0	Feb 15, 2022		Soil	S22-Fe27892	X		X	X	X	X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794											
Mayfield Laboratory - NATA # 1261 Site # 25079											
Perth Laboratory - NATA # 2377 Site # 2370											
External Laboratory											
	.1										
46	IA_IB_TP38_0.4	Feb 15, 2022		Soil	S22-Fe27893			X	X	X	X
47	IA_IB_TP26_0.1	Feb 15, 2022		Soil	S22-Fe28005	X		X	X	X	X
48	IA_IB_TP26_0.4	Feb 15, 2022		Soil	S22-Fe28006			X	X	X	X
Test Counts						23	2	46	46	46	46

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to '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 prior to sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
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

Terms

APHA	American Public Health Association
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 a moisture has been determined on a solid sample the result is expressed on a dry 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 is representative of 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 like compound to the analyte target and reported as percentage recovery.
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 5.4
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 be used as a guide only 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

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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QC Data General Comments

1. Where a result is reported as a 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 is 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	
Naphthalene	mg/kg	< 0.5			0.5	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	
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	
Benzene	mg/kg	< 0.1			0.1	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	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	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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-Bromophenyl phenyl ether	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
4-Chlorophenyl phenyl ether	mg/kg	< 0.5			0.5	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-chloroethoxy)methane	mg/kg	< 0.5			0.5	Pass	
Bis(2-chloroisopropyl)ether	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	85			70-130	Pass	
TRH C10-C14	%	92			70-130	Pass	
Naphthalene	%	80			70-130	Pass	
TRH C6-C10	%	82			70-130	Pass	
TRH >C10-C16	%	92			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	98			70-130	Pass	
Toluene	%	84			70-130	Pass	
Ethylbenzene	%	79			70-130	Pass	
m&p-Xylenes	%	78			70-130	Pass	
o-Xylene	%	88			70-130	Pass	
Xylenes - Total*	%	82			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	71			70-130	Pass	
1.1.1-Trichloroethane	%	88			70-130	Pass	
1.2-Dichlorobenzene	%	106			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.2-Dichloroethane	%	109			70-130	Pass	
Benzene	%	109			70-130	Pass	
Ethylbenzene	%	104			70-130	Pass	
m&p-Xylenes	%	104			70-130	Pass	
o-Xylene	%	103			70-130	Pass	
Toluene	%	101			70-130	Pass	
Trichloroethene	%	89			70-130	Pass	
Xylenes - Total*	%	104			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	85			70-130	Pass	
Acenaphthylene	%	101			70-130	Pass	
Anthracene	%	95			70-130	Pass	
Benz(a)anthracene	%	85			70-130	Pass	
Benzo(a)pyrene	%	92			70-130	Pass	
Benzo(b&j)fluoranthene	%	81			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Benzo(k)fluoranthene	%	91			70-130	Pass	
Chrysene	%	89			70-130	Pass	
Dibenz(a.h)anthracene	%	87			70-130	Pass	
Fluoranthene	%	89			70-130	Pass	
Fluorene	%	88			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	87			70-130	Pass	
Naphthalene	%	90			70-130	Pass	
Phenanthrene	%	86			70-130	Pass	
Pyrene	%	88			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	89			70-130	Pass	
4.4'-DDD	%	81			70-130	Pass	
4.4'-DDE	%	87			70-130	Pass	
4.4'-DDT	%	93			70-130	Pass	
a-HCH	%	83			70-130	Pass	
Aldrin	%	85			70-130	Pass	
b-HCH	%	91			70-130	Pass	
d-HCH	%	88			70-130	Pass	
Dieldrin	%	96			70-130	Pass	
Endosulfan I	%	87			70-130	Pass	
Endosulfan II	%	90			70-130	Pass	
Endosulfan sulphate	%	80			70-130	Pass	
Endrin	%	113			70-130	Pass	
Endrin aldehyde	%	78			70-130	Pass	
Endrin ketone	%	85			70-130	Pass	
g-HCH (Lindane)	%	91			70-130	Pass	
Heptachlor	%	106			70-130	Pass	
Heptachlor epoxide	%	87			70-130	Pass	
Hexachlorobenzene	%	91			70-130	Pass	
Methoxychlor	%	94			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	91			70-130	Pass	
Dimethoate	%	116			70-130	Pass	
Ethion	%	108			70-130	Pass	
Fenitrothion	%	106			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Methyl parathion	%	121			70-130	Pass	
Mevinphos	%	105			70-130	Pass	
LCS - % Recovery							
Semivolatile Organics							
2-Methyl-4.6-dinitrophenol	%	72			25-140	Pass	
1.2.4-Trichlorobenzene	%	84			70-130	Pass	
1.4-Dichlorobenzene	%	85			70-130	Pass	
2-Chlorophenol	%	99			25-140	Pass	
2-Methylphenol (o-Cresol)	%	101			25-140	Pass	
2-Nitrophenol	%	120			25-140	Pass	
2.4-Dichlorophenol	%	95			25-140	Pass	
2.4-Dimethylphenol	%	100			25-140	Pass	
2.4-Dinitrotoluene	%	115			70-130	Pass	
2.4.5-Trichlorophenol	%	92			25-140	Pass	
2.4.6-Trichlorophenol	%	91			25-140	Pass	
2.6-Dichlorophenol	%	98			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	105			25-140	Pass	
4-Chloro-3-methylphenol	%	102			25-140	Pass	
4-Nitrophenol	%	86			25-140	Pass	
Acenaphthene	%	107			70-130	Pass	
Acenaphthylene	%	114			70-130	Pass	
Anthracene	%	119			70-130	Pass	
Benz(a)anthracene	%	110			70-130	Pass	
Benzo(a)pyrene	%	116			70-130	Pass	
Benzo(b&j)fluoranthene	%	105			70-130	Pass	
Benzo(g.h.i)perylene	%	106			70-130	Pass	
Benzo(k)fluoranthene	%	116			70-130	Pass	
Chrysene	%	105			70-130	Pass	
Dibenz(a.h)anthracene	%	111			70-130	Pass	
Endrin aldehyde	%	78			70-130	Pass	
Fluoranthene	%	120			70-130	Pass	
Fluorene	%	113			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	111			70-130	Pass	
N-Nitrosodipropylamine	%	96			70-130	Pass	
Naphthalene	%	110			70-130	Pass	
Pentachlorophenol	%	84			25-140	Pass	
Phenanthrene	%	114			70-130	Pass	
Phenol	%	107			25-140	Pass	
Pyrene	%	115			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	97			80-120	Pass	
Cadmium	%	104			80-120	Pass	
Chromium	%	102			80-120	Pass	
Copper	%	102			80-120	Pass	
Lead	%	101			80-120	Pass	
Mercury	%	101			80-120	Pass	
Nickel	%	102			80-120	Pass	
Zinc	%	94			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	108			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	109			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	108			50-150	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoroheptanoic acid (PFHpA)			%	111			50-150	Pass	
Perfluorooctanoic acid (PFOA)			%	108			50-150	Pass	
Perfluorononanoic acid (PFNA)			%	110			50-150	Pass	
Perfluorodecanoic acid (PFDA)			%	113			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)			%	111			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)			%	113			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)			%	108			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)			%	107			50-150	Pass	
LCS - % Recovery									
Perfluoroalkyl sulfonamido substances									
Perfluorooctane sulfonamide (FOSA)			%	104			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)			%	108			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)			%	106			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)			%	107			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)			%	103			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)			%	111			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)			%	109			50-150	Pass	
LCS - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)									
Perfluorobutanesulfonic acid (PFBS)			%	95			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)			%	98			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)			%	105			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)			%	93			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)			%	106			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)			%	100			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)			%	102			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)			%	98			50-150	Pass	
LCS - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)									
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)			%	107			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)			%	109			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)			%	112			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)			%	108			50-150	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	N22-Fe10741	NCP	%	81			70-130	Pass	
TRH C6-C10	N22-Fe10741	NCP	%	84			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S22-Fe20929	NCP	%	85			70-130	Pass	
Pyrene	S22-Fe20929	NCP	%	84			70-130	Pass	
Spike - % Recovery									
Semivolatile Organics				Result 1					
2-Chlorophenol	S22-Fe20929	NCP	%	85			30-130	Pass	
4-Chloro-3-methylphenol	S22-Fe20929	NCP	%	86			30-130	Pass	
4-Nitrophenol	S22-Fe20929	NCP	%	82			30-130	Pass	
Phenol	S22-Fe20929	NCP	%	81			30-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S22-Fe27849	CP	%	88			70-130	Pass	
Naphthalene	S22-Fe27849	CP	%	81			70-130	Pass	
TRH >C10-C16	S22-Fe27849	CP	%	88			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Fe27849	CP	%	116			70-130	Pass	
Toluene	S22-Fe27849	CP	%	95			70-130	Pass	
Ethylbenzene	S22-Fe27849	CP	%	87			70-130	Pass	
m&p-Xylenes	S22-Fe27849	CP	%	87			70-130	Pass	
o-Xylene	S22-Fe27849	CP	%	96			70-130	Pass	
Xylenes - Total*	S22-Fe27849	CP	%	90			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	S22-Fe27849	CP	%	92			70-130	Pass	
1.1.1-Trichloroethane	S22-Fe27849	CP	%	93			70-130	Pass	
1.2-Dichlorobenzene	S22-Fe27849	CP	%	98			70-130	Pass	
1.2-Dichloroethane	S22-Fe27849	CP	%	105			70-130	Pass	
Trichloroethene	S22-Fe27849	CP	%	90			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Fe27849	CP	%	103			75-125	Pass	
Cadmium	S22-Fe27849	CP	%	106			75-125	Pass	
Chromium	S22-Fe27849	CP	%	102			75-125	Pass	
Copper	S22-Fe27849	CP	%	105			75-125	Pass	
Lead	S22-Fe27849	CP	%	110			75-125	Pass	
Mercury	S22-Fe27849	CP	%	106			75-125	Pass	
Nickel	S22-Fe27849	CP	%	101			75-125	Pass	
Zinc	S22-Fe27849	CP	%	97			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S22-Fe27849	CP	%	107			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27849	CP	%	108			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27849	CP	%	111			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27849	CP	%	109			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27849	CP	%	111			50-150	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27849	CP	%	113			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27849	CP	%	111			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27849	CP	%	118			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27849	CP	%	109			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27849	CP	%	104			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27849	CP	%	111			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S22-Fe27849	CP	%	99			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27849	CP	%	114			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27849	CP	%	107			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27849	CP	%	107			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27849	CP	%	104			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27849	CP	%	107			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27849	CP	%	109			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27849	CP	%	91			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27849	CP	%	110			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27849	CP	%	97			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27849	CP	%	90			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27849	CP	%	101			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27849	CP	%	98			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27849	CP	%	113			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27849	CP	%	96			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S22-Fe27849	CP	%	99			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27849	CP	%	104			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27849	CP	%	104			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27849	CP	%	103			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Fe27859	CP	%	91			75-125	Pass	
Cadmium	S22-Fe27859	CP	%	96			75-125	Pass	
Chromium	S22-Fe27859	CP	%	97			75-125	Pass	
Copper	S22-Fe27859	CP	%	90			75-125	Pass	
Lead	S22-Fe27859	CP	%	94			75-125	Pass	
Mercury	S22-Fe27859	CP	%	86			75-125	Pass	
Nickel	S22-Fe27859	CP	%	89			75-125	Pass	
Zinc	S22-Fe27859	CP	%	95			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
Naphthalene	S22-Fe27861	CP	%	82			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Fe27861	CP	%	96			70-130	Pass	
Toluene	S22-Fe27861	CP	%	100			70-130	Pass	
Ethylbenzene	S22-Fe27861	CP	%	95			70-130	Pass	
m&p-Xylenes	S22-Fe27861	CP	%	107			70-130	Pass	
o-Xylene	S22-Fe27861	CP	%	98			70-130	Pass	
Xylenes - Total*	S22-Fe27861	CP	%	104			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S22-Fe27871	CP	%	109			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27871	CP	%	110			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorohexanoic acid (PFHxA)	S22-Fe27871	CP	%	114			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27871	CP	%	109			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27871	CP	%	115			50-150	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27871	CP	%	112			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27871	CP	%	113			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27871	CP	%	113			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27871	CP	%	123			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27871	CP	%	110			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27871	CP	%	116			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S22-Fe27871	CP	%	110			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27871	CP	%	114			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27871	CP	%	111			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27871	CP	%	106			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27871	CP	%	108			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27871	CP	%	110			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27871	CP	%	119			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27871	CP	%	95			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27871	CP	%	105			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27871	CP	%	99			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27871	CP	%	90			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27871	CP	%	104			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27871	CP	%	103			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27871	CP	%	106			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27871	CP	%	102			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S22-Fe27871	CP	%	106			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27871	CP	%	111			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27871	CP	%	115			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27871	CP	%	106			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorobutanoic acid (PFBA)	S22-Fe27881	CP	%	105			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27881	CP	%	106			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27881	CP	%	108			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27881	CP	%	112			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27881	CP	%	109			50-150	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27881	CP	%	104			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27881	CP	%	104			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27881	CP	%	111			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27881	CP	%	113			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27881	CP	%	110			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27881	CP	%	103			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S22-Fe27881	CP	%	104			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27881	CP	%	104			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27881	CP	%	106			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27881	CP	%	105			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27881	CP	%	105			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27881	CP	%	110			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27881	CP	%	103			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27881	CP	%	96			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27881	CP	%	93			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27881	CP	%	102			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27881	CP	%	94			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27881	CP	%	101			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27881	CP	%	97			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27881	CP	%	99			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27881	CP	%	97			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S22-Fe27881	CP	%	95			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27881	CP	%	98			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27881	CP	%	106			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27881	CP	%	97			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S22-Fe27890	CP	%	77			70-130	Pass	
TRH >C10-C16	S22-Fe27890	CP	%	76			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Fe27891	CP	%	97			75-125	Pass	
Cadmium	S22-Fe27891	CP	%	102			75-125	Pass	
Chromium	S22-Fe27891	CP	%	88			75-125	Pass	
Copper	S22-Fe27891	CP	%	85			75-125	Pass	
Lead	S22-Fe27891	CP	%	93			75-125	Pass	
Mercury	S22-Fe27891	CP	%	99			75-125	Pass	
Nickel	S22-Fe27891	CP	%	88			75-125	Pass	
Zinc	S22-Fe27891	CP	%	82			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S22-Fe27891	CP	%	114			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27891	CP	%	118			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27891	CP	%	117			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27891	CP	%	116			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27891	CP	%	116			50-150	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27891	CP	%	118			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27891	CP	%	118			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27891	CP	%	130			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27891	CP	%	127			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27891	CP	%	126			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27891	CP	%	117			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S22-Fe27891	CP	%	112			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27891	CP	%	120			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27891	CP	%	120			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27891	CP	%	109			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27891	CP	%	118			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27891	CP	%	119			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27891	CP	%	117			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27891	CP	%	104			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27891	CP	%	108			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27891	CP	%	110			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27891	CP	%	99			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27891	CP	%	115			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27891	CP	%	109			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27891	CP	%	106			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27891	CP	%	108			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S22-Fe27891	CP	%	106			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27891	CP	%	107			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27891	CP	%	121			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27891	CP	%	117			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	S22-Fe27848	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Fe27848	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Fe27848	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Fe27848	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Fe27848	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Fe27848	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Fe27848	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Allyl chloride	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Fe27848	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
d-HCH	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Fe27848	CP	mg/kg	0.09	0.07	21	30%	Pass	
Endosulfan I	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Fe27848	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Fe27848	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Fe27848	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Fe27848	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S22-Fe27848	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Fe27848	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitroaniline	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Fe27848	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Fe27848	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S22-Fe27848	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S22-Fe27848	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
Diethyl phthalate	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S22-Fe27848	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S22-Fe27848	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Fe27848	CP	mg/kg	4.4	5.0	12	30%	Pass	
Cadmium	S22-Fe27848	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Fe27848	CP	mg/kg	10	11	11	30%	Pass	
Copper	S22-Fe27848	CP	mg/kg	13	15	16	30%	Pass	
Lead	S22-Fe27848	CP	mg/kg	17	21	20	30%	Pass	
Mercury	S22-Fe27848	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Fe27848	CP	mg/kg	6.8	7.9	14	30%	Pass	
Zinc	S22-Fe27848	CP	mg/kg	48	58	20	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Fe27848	CP	%	24	25	4.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27848	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27848	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27848	CP	ug/kg	5.7	5.6	2.0	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27848	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)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27848	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27848	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Fe27858	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Fe27858	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Fe27858	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Fe27858	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Fe27858	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Fe27858	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Fe27858	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Fe27858	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Fe27858	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Ethion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Fe27858	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Fe27858	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S22-Fe27858	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S22-Fe27858	CP	mg/kg	< 1	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Fe27858	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitroaniline	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dimethylphenol	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Fe27858	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.6-Dinitrotoluene	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Fe27858	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
3.3'-Dichlorobenzidine	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Bromophenyl phenyl ether	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S22-Fe27858	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acetophenone	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S22-Fe27858	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S22-Fe27858	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S22-Fe27858	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Fe27858	CP	mg/kg	13	14	6.0	30%	Pass	
Cadmium	S22-Fe27858	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Fe27858	CP	mg/kg	20	22	11	30%	Pass	
Copper	S22-Fe27858	CP	mg/kg	18	20	8.0	30%	Pass	
Lead	S22-Fe27858	CP	mg/kg	25	24	2.0	30%	Pass	
Mercury	S22-Fe27858	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Fe27858	CP	mg/kg	10	12	14	30%	Pass	
Zinc	S22-Fe27858	CP	mg/kg	31	34	10	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Fe27858	CP	%	14	15	7.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27858	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27858	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27858	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)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27858	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27858	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Fe27870	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Fe27870	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Fe27870	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Fe27870	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Fe27870	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Fe27870	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Fe27870	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Fe27870	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Bromoform	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S22-Fe27870	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Fe27870	CP	mg/kg	12	11	7.0	30%	Pass	
Cadmium	S22-Fe27870	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Fe27870	CP	mg/kg	19	18	4.0	30%	Pass	
Copper	S22-Fe27870	CP	mg/kg	25	26	4.0	30%	Pass	
Lead	S22-Fe27870	CP	mg/kg	21	19	10	30%	Pass	
Mercury	S22-Fe27870	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Fe27870	CP	mg/kg	16	15	8.0	30%	Pass	
Zinc	S22-Fe27870	CP	mg/kg	62	57	8.0	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Fe27870	CP	%	13	16	24	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27870	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27870	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27870	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)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27870	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27870	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Fe27880	CP	mg/kg	11	12	5.0	30%	Pass	
Cadmium	S22-Fe27880	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Fe27880	CP	mg/kg	25	30	18	30%	Pass	
Copper	S22-Fe27880	CP	mg/kg	22	23	6.0	30%	Pass	
Lead	S22-Fe27880	CP	mg/kg	28	31	13	30%	Pass	
Mercury	S22-Fe27880	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Fe27880	CP	mg/kg	18	20	10	30%	Pass	
Zinc	S22-Fe27880	CP	mg/kg	46	50	8.0	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Fe27880	CP	%	21	21	2.0	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27880	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27880	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27880	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)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27880	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27880	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Fe27890	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Fe27890	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Fe27890	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Ethion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Fe27890	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Fe27890	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
2-Methyl-4.6-dinitrophenol	S22-Fe27890	CP	mg/kg	< 5	< 5	<1	30%	Pass	
1-Chloronaphthalene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1-Naphthylamine	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.4-Tetrachlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3.5-Tetrachlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trichlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4.5-Tetrachlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trichlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chloronaphthalene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Chlorophenol	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylnaphthalene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Fe27890	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Naphthylamine	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitroaniline	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Nitrophenol	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2-Picoline	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.3.4.6-Tetrachlorophenol	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Fe27890	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2.4-Dinitrotoluene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dinitrotoluene	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Fe27890	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
3-Methylcholanthrene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
3.3'-Dichlorobenzidine	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Aminobiphenyl	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Semivolatile Organics				Result 1	Result 2	RPD			
4-Bromophenyl phenyl ether	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chlorophenyl phenyl ether	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Nitrophenol	S22-Fe27890	CP	mg/kg	< 5	< 5	<1	30%	Pass	
4.4'-DDD	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
7.12-Dimethylbenz(a)anthracene	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Acetophenone	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aniline	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzyl chloride	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroethoxy)methane	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-chloroisopropyl)ether	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bis(2-ethylhexyl)phthalate	S22-Fe27890	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Butyl benzyl phthalate	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-butyl phthalate	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Di-n-octyl phthalate	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.j)acridine	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenzofuran	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diethyl phthalate	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethyl phthalate	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethylaminoazobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diphenylamine	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobutadiene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorocyclopentadiene	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Hexachloroethane	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodibutylamine	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosodipropylamine	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
N-Nitrosopiperidine	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Nitrobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachloronitrobenzene	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pentachlorophenol	S22-Fe27890	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Phenol	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pronamide	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trifluralin	S22-Fe27890	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Fe27890	CP	mg/kg	5.7	5.9	4.0	30%	Pass	
Cadmium	S22-Fe27890	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Fe27890	CP	mg/kg	14	15	6.0	30%	Pass	
Copper	S22-Fe27890	CP	mg/kg	17	18	4.0	30%	Pass	
Lead	S22-Fe27890	CP	mg/kg	24	24	1.0	30%	Pass	
Mercury	S22-Fe27890	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Fe27890	CP	mg/kg	14	14	1.0	30%	Pass	
Zinc	S22-Fe27890	CP	mg/kg	48	49	1.0	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Fe27890	CP	%	11	11	2.0	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S22-Fe27890	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S22-Fe27890	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorooctanesulfonic acid (PFOS)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S22-Fe27890	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)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	S22-Fe27890	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S22-Fe27890	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Fe28006	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Fe28006	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Fe28006	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Fe28006	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Fe28006	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Fe28006	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Comments

Sample Integrity

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

Qualifier Codes/Comments

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

Authorised by:

John Nguyen	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)
Andrew Sullivan	Senior Analyst-PFAS (NSW)
John Nguyen	Senior Analyst-Metal (NSW)
Roopesh Rangarajan	Senior Analyst-Volatile (NSW)

Glenn Jackson
General Manager

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.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES2139396**	Page	: 1 of 15
Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Contact	: Monica Wright
Address	: UNIT 11/277 LANE COVE ROAD MACQUARIE PARK 2113	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: WPCA BCC - 0571466	Date Samples Received	: 01-Nov-2021 11:25
Order number	: ----	Date Analysis Commenced	: 02-Nov-2021
C-O-C number	: ----	Issue Date	: 08-Nov-2021 13:24
Sampler	: JACK EMBLEN		
Site	: ----		
Quote number	: EN/114		
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*
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, 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 Contact 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. 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 (Australian HEPA) and also conform to QSM 5.3 (US DoD) requirements.

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	----	7.5	----	----	----
Moisture Content	----	1.0	%	10.7	----	----	----	----
EG005(ED093)T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	11	----	----	----	----
Cadmium	7440-43-9	1	mg/kg	<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg	35	----	----	----	----
Copper	7440-50-8	5	mg/kg	15	----	----	----	----
Lead	7439-92-1	5	mg/kg	22	----	----	----	----
Nickel	7440-02-0	2	mg/kg	6	----	----	----	----
Zinc	7440-66-6	5	mg/kg	19	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)								
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	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	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued								
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)								
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	----	----	----	----
p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	----	----	----	----
n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons - Continued								
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	----	----	----	----
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	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP074E: Halogenated Aliphatic Compounds - Continued								
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	----	----	----	----
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	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
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	----	----	----	----
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	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP075B: Polynuclear Aromatic Hydrocarbons - Continued								
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	----	----	----	----
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	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP075E: Nitroaromatics and Ketones - Continued								
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	----	----	----	----
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	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP075H: Anilines and Benzidines - Continued								
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	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	----	----	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP080/071: Total Petroleum Hydrocarbons - Continued								
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	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0004**	<0.0002	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids - Continued								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<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	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued								
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	----	----	----
EP231P: PFAS Sums								
Sum of PFAS	----	0.0002	mg/kg	**0.0004**	<0.0002	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	**0.0004**	<0.0002	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg	**0.0004**	<0.0002	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	**88.9**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	**95.4**	----	----	----	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	**93.9**	----	----	----	----
Toluene-D8	2037-26-5	0.5	%	**84.7**	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	**88.3**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	**101**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	**94.2**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%	**86.2**	----	----	----	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	**97.6**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%	**98.7**	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%	**89.2**	----	----	----	----
EP075S: Acid Extractable Surrogates								
2-Fluorophenol	367-12-4	0.5	%	**103**	----	----	----	----
Phenol-d6	13127-88-3	0.5	%	**94.6**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	**96.6**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%	**88.2**	----	----	----	----
EP075T: Base/Neutral Extractable Surrogates								
Nitrobenzene-D5	4165-60-0	0.5	%	**101**	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_202110125_T01	1B_202110125_T02	----	----	----
			Sampling date / time	25-Oct-2021 00:00	25-Oct-2021 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES2139396-001	ES2139396-002	--------	--------	--------
				Result	Result	----	----	----
EP075T: Base/Neutral Extractable Surrogates - Continued								
1.2-Dichlorobenzene-D4	2199-69-1	0.5	%	91.4	----	----	----	----
2-Fluorobiphenyl	321-60-8	0.5	%	97.1	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%	110	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%	91.6	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	91.9	----	----	----	----
Toluene-D8	2037-26-5	0.2	%	83.2	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.2	%	77.2	----	----	----	----
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.0002	%	93.5	110	----	----	----
13C8-PFOA	----	0.0002	%	95.0	102	----	----	----

Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
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	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

ALS Environmental

QUALITY CONTROL REPORT

Work Order	: **ES2139396**	Page	: 1 of 25
Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Contact	: Monica Wright
Address	: UNIT 11/277 LANE COVE ROAD MACQUARIE PARK 2113	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: WPCA BCC - 0571466	Date Samples Received	: 01-Nov-2021
Order number	: ----	Date Analysis Commenced	: 02-Nov-2021
C-O-C number	: ----	Issue Date	: 08-Nov-2021
Sampler	: JACK EMBLEN		
Site	: ----		
Quote number	: EN/114		
No. of samples received	: 2		
No. of samples analysed	: 2		

ilac-MRA NATA
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*
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, 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

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: 3995815)									
ES2139368-001	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	19	20	0.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	21	22	0.0	0% - 50%
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	24	23	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	20	24	21.4	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	48	58	18.9	0% - 50%
ES2139434-005	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	10	8	15.6	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	12	10	26.2	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	5	4	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	12	11	12.8	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	10	11	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	71	64	10.2	0% - 50%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 3995750)									
ES2139370-001	Anonymous	EA055: Moisture Content	----	0.1	%	1.2	1.2	0.0	0% - 50%
ES2139477-002	Anonymous	EA055: Moisture Content	----	0.1	%	1.7	2.1	20.9	No Limit
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 3995814)									
ES2139368-001	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
ES2139434-005	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 3988226)									
ES2139396-001	1B_202110125_T01	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP068A: Organochlorine Pesticides (OC) (QC Lot: 3988226) - continued									
ES2139396-001	1B_202110125_T01	EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC	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: 3988226)									
ES2139396-001	1B_202110125_T01	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: 3989154)									

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 3989154) - continued									
ES2139191-004	Anonymous	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
ES2139270-011	Anonymous	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: 3989154)									
ES2139191-004	Anonymous	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
ES2139270-011	Anonymous	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: 3989154)									
ES2139191-004	Anonymous	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
ES2139270-011	Anonymous	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074D: Fumigants (QC Lot: 3989154)									
ES2139191-004	Anonymous	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
ES2139270-011	Anonymous	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP074D: Fumigants (QC Lot: 3989154) - continued									
ES2139270-011	Anonymous	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: 3989154)									
ES2139191-004	Anonymous	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
ES2139270-011	Anonymous	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP074E: Halogenated Aliphatic Compounds (QC Lot: 3989154) - continued									
ES2139270-011	Anonymous	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: 3989154)									
ES2139191-004	Anonymous	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
ES2139270-011	Anonymous	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: 3989154)									
ES2139191-004	Anonymous	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
ES2139270-011	Anonymous	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)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 3988224)									
ES2139396-001	1B_202110125_T01	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 3988224) - continued									
ES2139396-001	1B_202110125_T01	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: 3988225)									
ES2139396-001	1B_202110125_T01	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: 3988225)									
ES2139396-001	1B_202110125_T01	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
				Laboratory Duplicate (DUP) Report					
EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 3988225) - continued									
ES2139396-001	1B_202110125_T01	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: 3988225)									
ES2139396-001	1B_202110125_T01	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: 3988225)									
ES2139396-001	1B_202110125_T01	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	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	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: 3988225)									
ES2139396-001	1B_202110125_T01	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	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 2.4-Dinitrotoluene	121-14-2	0.5	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP075E: Nitroaromatics and Ketones (QC Lot: 3988225) - continued									
ES2139396-001	1B_202110125_T01	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: 3988225)									
ES2139396-001	1B_202110125_T01	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: 3988225)									
ES2139396-001	1B_202110125_T01	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	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: 3988225)									
ES2139396-001	1B_202110125_T01	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	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 3-Nitroaniline	99-09-2	0.5	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: 3988225)									
ES2139396-001	1B_202110125_T01	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	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
				Laboratory Duplicate (DUP) Report					
EP075I: Organochlorine Pesticides (QC Lot: 3988225) - continued									
ES2139396-001	1B_202110125_T01	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	mg/kg	<1.0	<1.0	0.0	No Limit
EP075J: Organophosphorus Pesticides (QC Lot: 3988225)									
ES2139396-001	1B_202110125_T01	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: 3988223)									
ES2139396-001	1B_202110125_T01	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: 3989155)									
ES2139191-004	Anonymous	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
ES2139270-011	Anonymous	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 3988223)									
ES2139396-001	1B_202110125_T01	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: 3989155)									
ES2139191-004	Anonymous	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
ES2139270-011	Anonymous	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080: BTEXN (QC Lot: 3989155)									
ES2139191-004	Anonymous	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP080: BTEXN (QC Lot: 3989155) - continued									
ES2139191-004	Anonymous	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
ES2139270-011	Anonymous	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		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: 3991158)									
EP2113072-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2139320-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0011	0.0010	10.6	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0021	0.0024	12.7	0% - 50%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 3991158)									
EP2113072-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		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
ES2139320-002	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 3991158) - continued									
ES2139320-002	Anonymous	EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 3991158)									
EP2113072-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2139320-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 3991158)									
EP2113072-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 3991158) - continued									
EP2113072-001	Anonymous	EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2139320-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	0.0009	0.0009	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: 3995815)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	121.1 mg/kg	100	88.0	113
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	0.74 mg/kg	74.3	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	19.6 mg/kg	120	68.0	132
EG005T: Copper	7440-50-8	5	mg/kg	<5	52.9 mg/kg	110	89.0	111
EG005T: Lead	7439-92-1	5	mg/kg	<5	60.8 mg/kg	100	82.0	119
EG005T: Nickel	7440-02-0	2	mg/kg	<2	15.3 mg/kg	105	80.0	120
EG005T: Zinc	7440-66-6	5	mg/kg	<5	139.3 mg/kg	88.0	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3995814)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	102	70.0	125
EP068A: Organochlorine Pesticides (OC) (QCLot: 3988226)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	103	69.0	113
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	95.7	65.0	117
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	104	67.0	119
EP068: gamma-BHC	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	102	65.0	117
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	100	67.0	115
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	102	69.0	115
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	104	62.0	118
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	105	63.0	117
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	86.1	66.0	116
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	106	64.0	116
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	108	66.0	116
EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	103	67.0	115
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	100	67.0	123
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	104	69.0	115
EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	104	69.0	121
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	100	56.0	120
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	103	62.0	124
EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	94.2	66.0	120
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	104	64.0	122
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	89.6	54.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 3988226)								
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	83.9	62.0	128

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: 3988226) - continued								
EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	0.5 mg/kg	77.3	54.0	126
EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	0.5 mg/kg	94.9	67.0	119
EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	0.5 mg/kg	107	70.0	120
EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	0.5 mg/kg	105	72.0	120
EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	0.5 mg/kg	75.7	68.0	120
EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	0.5 mg/kg	99.8	68.0	122
EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	0.5 mg/kg	106	69.0	117
EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	0.5 mg/kg	103	76.0	118
EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	0.5 mg/kg	77.1	64.0	122
EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	0.5 mg/kg	107	70.0	116
EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	0.5 mg/kg	82.8	69.0	121
EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	0.5 mg/kg	103	66.0	118
EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	0.5 mg/kg	97.0	68.0	124
EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	0.5 mg/kg	95.9	62.0	112
EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	0.5 mg/kg	105	68.0	120
EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	0.5 mg/kg	88.5	65.0	127
EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	0.5 mg/kg	68.8	41.0	123
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 3989154)								
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	93.3	67.0	113
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	93.3	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	95.0	68.0	118
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	93.5	69.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	94.8	69.0	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	94.9	69.0	115
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	93.1	66.0	118
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	92.3	59.0	125
EP074B: Oxygenated Compounds (QCLot: 3989154)								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	90.2	29.6	156
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	99.1	58.0	136
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	90.9	62.0	132
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	90.6	54.0	136
EP074C: Sulfonated Compounds (QCLot: 3989154)								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	95.0	54.0	126
EP074D: Fumigants (QCLot: 3989154)								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	93.1	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	91.3	51.0	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
EP074D: Fumigants (QCLot: 3989154) - continued								
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	92.6	52.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	95.7	63.0	115
EP074E: Halogenated Aliphatic Compounds (QCLot: 3989154)								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	92.7	30.0	148
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	105	41.0	141
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	103	43.0	147
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	91.2	47.0	141
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	93.4	49.0	143
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	94.2	49.0	135
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	90.4	54.0	126
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	89.3	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
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	92.8	67.0	125
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	93.8	69.0	121
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	91.6	65.0	117
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	91.9	65.0	123
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	89.6	59.0	125
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	96.5	65.0	125
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	91.3	70.0	118
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	94.2	68.0	118
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	96.1	64.0	126
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	95.8	68.0	122
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	102	67.0	143
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	93.6	62.0	122
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	92.0	54.0	128
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	89.5	55.0	129
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	94.3	65.0	121
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	95.3	61.0	125
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	109	19.8	134
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	99.6	53.0	129
EP074F: Halogenated Aromatic Compounds (QCLot: 3989154)								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	95.0	68.0	116
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	97.4	70.0	114
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	94.4	68.0	122
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	95.0	67.0	123
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	95.0	52.0	122
EP074G: Trihalomethanes (QCLot: 3989154)								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	95.2	66.0	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
EP074G: Trihalomethanes (QCLot: 3989154) - continued								
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	92.8	61.0	121
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	91.3	63.0	121
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	91.3	60.0	126
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 3988224)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	6 mg/kg	111	77.0	125
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	6 mg/kg	112	72.0	124
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	6 mg/kg	107	73.0	127
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	6 mg/kg	110	72.0	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	6 mg/kg	112	75.0	127
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	6 mg/kg	114	77.0	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	6 mg/kg	115	73.0	127
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	6 mg/kg	115	74.0	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	6 mg/kg	101	69.0	123
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	6 mg/kg	104	75.0	127
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	6 mg/kg	99.4	68.0	116
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	6 mg/kg	108	74.0	126
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	6 mg/kg	105	70.0	126
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	6 mg/kg	106	61.0	121
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	6 mg/kg	107	62.0	118
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	6 mg/kg	100	63.0	121
EP075A: Phenolic Compounds (QCLot: 3988225)								
EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	1.5 mg/kg	102	64.0	114
EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	1.5 mg/kg	95.4	57.0	115
EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	1.5 mg/kg	96.6	55.0	117
EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<0.5	1.5 mg/kg	116	46.0	122
EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	101	47.0	117
EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	1.5 mg/kg	105	13.7	108
EP075: 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	1.5 mg/kg	102	47.0	105
EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	1.5 mg/kg	102	48.0	110
EP075: 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	1.5 mg/kg	105	57.0	113
EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	1.5 mg/kg	99.3	49.0	109
EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	1.5 mg/kg	102	49.0	107
EP075: Pentachlorophenol	87-86-5	1	mg/kg	<1	3 mg/kg	57.5	12.0	76.0
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 3988225)								
EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	1.5 mg/kg	96.5	62.0	118
EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	1.5 mg/kg	107	58.0	116
EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	1.5 mg/kg	110	54.0	112

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: 3988225) - continued								
EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	1.5 mg/kg	88.4	56.0	114
EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	1.5 mg/kg	87.7	62.0	112
EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	100	59.0	115
EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	1.5 mg/kg	93.0	63.0	113
EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	1.5 mg/kg	95.5	57.0	111
EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	1.5 mg/kg	96.5	58.0	114
EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	1.5 mg/kg	80.9	57.0	117
EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	1.5 mg/kg	82.6	58.0	114
EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	85.8	59.0	115
EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	1.5 mg/kg	86.7	61.0	117
EP075: Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	3 mg/kg	97.1	57.0	119
EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	1.5 mg/kg	# 128	48.1	106
EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	1.5 mg/kg	97.7	56.0	116
EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	1.5 mg/kg	93.2	50.0	116
EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	1.5 mg/kg	91.8	55.0	117
EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	1.5 mg/kg	91.1	53.0	119
EP075: Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	1.5 mg/kg	91.8	56.0	120
EP075C: Phthalate Esters (QCLot: 3988225)								
EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	1.5 mg/kg	104	60.0	118
EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	1.5 mg/kg	106	65.0	115
EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	1.5 mg/kg	99.0	65.0	121
EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	1.5 mg/kg	83.8	62.0	116
EP075: bis(2-ethylhexyl) phthalate	117-81-7	----	mg/kg	----	1.5 mg/kg	92.6	69.0	133
EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	1.5 mg/kg	92.8	62.0	124
EP075D: Nitrosamines (QCLot: 3988225)								
EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	1.5 mg/kg	107	39.4	124
EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	1.5 mg/kg	99.0	59.0	117
EP075: N-Nitrosopyrrolidine	930-55-2	0.5	mg/kg	<0.5	1.5 mg/kg	114	53.0	125
EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	1.5 mg/kg	111	65.0	121
EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	1.5 mg/kg	108	59.0	123
EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	1.5 mg/kg	104	57.0	115
EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	1.5 mg/kg	102	57.0	119
EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5	mg/kg	<0.6	3 mg/kg	98.2	42.0	112
EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	1.5 mg/kg	69.8	16.3	123
EP075E: Nitroaromatics and Ketones (QCLot: 3988225)								
EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	1.5 mg/kg	103	27.3	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
EP075E: Nitroaromatics and Ketones (QCLot: 3988225) - continued								
EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	1.5 mg/kg	109	60.0	116
EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	1.5 mg/kg	99.6	65.0	119
EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	1.5 mg/kg	102	62.0	116
EP075: 2.6-Dinitrotoluene	606-20-2	0.5	mg/kg	<0.5	1.5 mg/kg	113	58.0	118
EP075: 2.4-Dinitrotoluene	121-14-2	0.5	mg/kg	<0.5	1.5 mg/kg	94.1	59.0	115
EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	1.5 mg/kg	62.5	18.0	112
EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	1.5 mg/kg	# 97.9	10.0	87.0
EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	1.5 mg/kg	91.4	48.3	98.5
EP075: Azobenzene	103-33-3	1	mg/kg	<1	1.5 mg/kg	102	62.0	118
EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	1.5 mg/kg	92.4	36.0	114
EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	1.5 mg/kg	105	62.0	114
EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	1.5 mg/kg	88.4	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	# 112	54.0	110
EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	1.5 mg/kg	80.5	48.0	108
EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	1.5 mg/kg	80.4	57.4	112
EP075F: Haloethers (QCLot: 3988225)								
EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	1.5 mg/kg	88.1	63.0	121
EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	1.5 mg/kg	107	59.0	115
EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	1.5 mg/kg	103	58.0	112
EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	104	58.0	110
EP075G: Chlorinated Hydrocarbons (QCLot: 3988225)								
EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1.5 mg/kg	92.3	58.0	112
EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1.5 mg/kg	90.2	58.0	116
EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1.5 mg/kg	92.9	57.0	115
EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	1.5 mg/kg	97.0	54.0	116
EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1.5 mg/kg	104	62.9	108
EP075: Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	1.5 mg/kg	99.3	39.1	110
EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1.5 mg/kg	100	59.0	117
EP075: Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	1.5 mg/kg	81.3	24.3	108
EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	1.5 mg/kg	96.0	57.0	109
EP075: Hexachlorobenzene (HCB)	118-74-1	0.5	mg/kg	<0.5	1.5 mg/kg	101	59.0	111
EP075H: Anilines and Benzidines (QCLot: 3988225)								
EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	1.5 mg/kg	84.7	13.2	108
EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	1.5 mg/kg	29.6	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	70.0	31.5	93.7
EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	1.5 mg/kg	102	60.0	110

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
EP075H: Anilines and Benzidines (QCLot: 3988225) - continued								
EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	1.5 mg/kg	110	42.0	112
EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	1.5 mg/kg	96.3	59.0	111
EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	1.5 mg/kg	64.1	23.1	113
EP075I: Organochlorine Pesticides (QCLot: 3988225)								
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	# 129	57.0	113
EP075: gamma-BHC	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	92.3	64.0	118
EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	1.5 mg/kg	92.0	55.0	115
EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	1.5 mg/kg	113	61.0	115
EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	1.5 mg/kg	84.5	56.0	118
EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	1.5 mg/kg	75.3	65.0	125
EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	1.5 mg/kg	80.5	60.0	116
EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	1.5 mg/kg	80.6	64.0	118
EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	1.5 mg/kg	77.2	53.0	117
EP075: beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	1.5 mg/kg	84.9	65.0	115
EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	1.5 mg/kg	82.5	62.0	118
EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	1.5 mg/kg	105	63.0	129
EP075: 4.4`-DDT	50-29-3	0.5	mg/kg	<0.5	1.5 mg/kg	83.6	46.0	122
EP075J: Organophosphorus Pesticides (QCLot: 3988225)								
EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	83.6	46.0	112
EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	1.5 mg/kg	107	63.0	119
EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	1.5 mg/kg	113	68.0	134
EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	1.5 mg/kg	86.3	60.0	130
EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	121	65.0	127
EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	1.5 mg/kg	103	60.0	116
EP075: Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	1.5 mg/kg	93.3	63.0	113
EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	1.5 mg/kg	109	65.0	115
EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	1.5 mg/kg	85.2	59.0	103
EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	1.5 mg/kg	76.4	59.0	119
EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	1.5 mg/kg	89.7	62.0	118
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3988223)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	300 mg/kg	92.4	75.0	129
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	450 mg/kg	91.6	77.0	131
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	300 mg/kg	89.9	71.0	129
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3989155)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	26 mg/kg	106	68.4	128
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3988223)								

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
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3988223) - continued								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	375 mg/kg	94.6	77.0	125
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	525 mg/kg	89.7	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: 3989155)								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	31 mg/kg	98.6	68.4	128
EP080: BTEXN (QCLot: 3989155)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	113	62.0	116
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	108	67.0	121
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	105	65.0	117
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	105	66.0	118
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	106	68.0	120
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	107	63.0	119
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 3991158)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	110	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	99.6	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	110	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 3991158)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	102	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	111	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	110	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	124	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	125	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	99.5	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	110	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	100	68.7	130

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
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158) - continued								
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	117	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.0	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.6	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 3991158)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	138	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	120	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	134	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	132	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: 3995815)							
ES2139368-001	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	95.9	70.0	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	87.6	70.0	130
		EG005T: Chromium	7440-47-3	50 mg/kg	106	68.0	132
		EG005T: Copper	7440-50-8	250 mg/kg	99.9	70.0	130
		EG005T: Lead	7439-92-1	250 mg/kg	91.6	70.0	130
		EG005T: Nickel	7440-02-0	50 mg/kg	103	70.0	130
		EG005T: Zinc	7440-66-6	250 mg/kg	85.2	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3995814)							
ES2139368-001	Anonymous	EG035T: Mercury	7439-97-6	5 mg/kg	99.5	70.0	130
EP068A: Organochlorine Pesticides (OC) (QCLot: 3988226)							
ES2139396-001	1B_202110125_T01	EP068: gamma-BHC	58-89-9	0.5 mg/kg	107	70.0	130
		EP068: Heptachlor	76-44-8	0.5 mg/kg	108	70.0	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	102	70.0	130
		EP068: Dieldrin	60-57-1	0.5 mg/kg	114	70.0	130
		EP068: Endrin	72-20-8	2 mg/kg	111	70.0	130
		EP068: 4.4`-DDT	50-29-3	2 mg/kg	97.7	70.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 3988226)							
ES2139396-001	1B_202110125_T01	EP068: Diazinon	333-41-5	0.5 mg/kg	114	70.0	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
EP068B: Organophosphorus Pesticides (OP) (QCLot: 3988226) - continued							
ES2139396-001	1B_202110125_T01	EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	102	70.0	130
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	93.5	70.0	130
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	106	70.0	130
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	94.0	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 3989154)							
ES2139191-004	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	2.5 mg/kg	106	70.0	130
		EP074: Trichloroethene	79-01-6	2.5 mg/kg	98.2	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 3989154)							
ES2139191-004	Anonymous	EP074: Chlorobenzene	108-90-7	2.5 mg/kg	98.7	70.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 3988224)							
ES2139396-001	1B_202110125_T01	EP075(SIM): Acenaphthene	83-32-9	10 mg/kg	103	70.0	130
		EP075(SIM): Pyrene	129-00-0	10 mg/kg	118	70.0	130
EP075A: Phenolic Compounds (QCLot: 3988225)							
ES2139396-001	1B_202110125_T01	EP075: Phenol	108-95-2	10 mg/kg	94.5	60.0	130
		EP075: 2-Chlorophenol	95-57-8	10 mg/kg	88.1	60.0	130
		EP075: 2-Nitrophenol	88-75-5	10 mg/kg	101	50.0	130
		EP075: 4-Chloro-3-methylphenol	59-50-7	10 mg/kg	95.4	50.0	130
		EP075: Pentachlorophenol	87-86-5	10 mg/kg	108	10.0	130
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 3988225)							
ES2139396-001	1B_202110125_T01	EP075: Acenaphthene	83-32-9	10 mg/kg	90.4	50.0	130
		EP075: Pyrene	129-00-0	10 mg/kg	80.6	50.0	130
EP075D: Nitrosamines (QCLot: 3988225)							
ES2139396-001	1B_202110125_T01	EP075: N-Nitrosodi-n-propylamine	621-64-7	10 mg/kg	106	50.0	130
EP075E: Nitroaromatics and Ketones (QCLot: 3988225)							
ES2139396-001	1B_202110125_T01	EP075: 2.4-Dinitrotoluene	121-14-2	10 mg/kg	101	40.0	130
EP075G: Chlorinated Hydrocarbons (QCLot: 3988225)							
ES2139396-001	1B_202110125_T01	EP075: 1.4-Dichlorobenzene	106-46-7	10 mg/kg	83.5	60.0	130
		EP075: 1.2.4-Trichlorobenzene	120-82-1	10 mg/kg	81.8	50.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3988223)							
ES2139396-001	1B_202110125_T01	EP071: C10 - C14 Fraction	----	480 mg/kg	105	73.0	137
		EP071: C15 - C28 Fraction	----	3100 mg/kg	103	53.0	131
		EP071: C29 - C36 Fraction	----	2060 mg/kg	108	52.0	132
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3989155)							
ES2139191-004	Anonymous	EP080: C6 - C9 Fraction	----	32.5 mg/kg	103	70.0	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3988223)							

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%) MS	Acceptable Limits (%) Low	High
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3988223) - continued							
ES2139396-001	1B_202110125_T01	EP071: >C10 - C16 Fraction	----	860 mg/kg	101	73.0	137
		EP071: >C16 - C34 Fraction	----	4320 mg/kg	103	53.0	131
		EP071: >C34 - C40 Fraction	----	890 mg/kg	120	52.0	132
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3989155)							
ES2139191-004	Anonymous	EP080: C6 - C10 Fraction	C6_C10	37.5 mg/kg	97.1	70.0	130
EP080: BTEXN (QCLot: 3989155)							
ES2139191-004	Anonymous	EP080: Benzene	71-43-2	2.5 mg/kg	93.4	70.0	130
		EP080: Toluene	108-88-3	2.5 mg/kg	90.3	70.0	130
		EP080: Ethylbenzene	100-41-4	2.5 mg/kg	88.8	70.0	130
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2.5 mg/kg	88.1	70.0	130
		EP080: ortho-Xylene	95-47-6	2.5 mg/kg	90.2	70.0	130
		EP080: Naphthalene	91-20-3	2.5 mg/kg	74.2	70.0	130
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	98.4	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	100	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	82.4	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	94.0	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	98.8	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	108	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	101	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	110	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	108	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	108	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	110	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	105	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	112	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	103	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	116	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	124	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	128	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	113	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	114	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	118	69.8	131

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158) - continued							
EP2113072-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	104	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	133	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	113	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	90.8	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	# 153	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	132	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	# 140	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	# 151	69.2	143

ALS Environmental

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2139396**	Page	: 1 of 10
Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Telephone	: +61-2-8784 8555
Project	: WPCA BCC - 0571466	Date Samples Received	: 01-Nov-2021
Site	: ----	Issue Date	: 08-Nov-2021
Sampler	: JACK EMBLEN	No. of samples received	: 2
Order number	: ----	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **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, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

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							
EP075B: Polynuclear Aromatic Hydrocarbons	QC-3988225-002	----	**7.12-Dimethylbenz(a)anthracene**	57-97-6	128 %	48.1-106%	**Recovery greater than upper control limit**
EP075E: Nitroaromatics and Ketones	QC-3988225-002	----	**4-Nitroquinoline-N-oxide**	56-57-5	97.9 %	10.0-87.0%	**Recovery greater than upper control limit**
EP075E: Nitroaromatics and Ketones	QC-3988225-002	----	**Pentachloronitrobenzene**	82-68-8	111 %	56.0-110%	**Recovery greater than upper control limit**
EP075E: Nitroaromatics and Ketones	QC-3988225-002	----	**Pronamide**	23950-58-5	112 %	54.0-110%	**Recovery greater than upper control limit**
EP075I: Organochlorine Pesticides	QC-3988225-002	----	**beta-BHC**	319-85-7	129 %	57.0-113%	**Recovery greater than upper control limit**
EP075I: Organochlorine Pesticides	QC-3988225-002	----	**gamma-BHC**	58-89-9	122 %	61.0-117%	**Recovery greater than upper control limit**
Matrix Spike (MS) Recoveries							
EP231D: (n:2) Fluorotelomer Sulfonic Acids	EP2113072--001	Anonymous	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	757124-72-4	153 %	62.0-145%	**Recovery greater than upper data quality objective**
EP231D: (n:2) Fluorotelomer Sulfonic Acids	EP2113072--001	Anonymous	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	39108-34-4	140 %	65.0-137%	**Recovery greater than upper data quality objective**
EP231D: (n:2) Fluorotelomer Sulfonic Acids	EP2113072--001	Anonymous	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	120226-60-0	151 %	69.2-143%	**Recovery greater than upper 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***
EP074A: Monocyclic Aromatic Hydrocarbons						
Soil Glass Jar - Unpreserved						
1B_202110125_T01	02-Nov-2021	01-Nov-2021	**1**	03-Nov-2021	01-Nov-2021	**2**
EP074B: Oxygenated Compounds						
Soil Glass Jar - Unpreserved						
1B_202110125_T01	02-Nov-2021	01-Nov-2021	**1**	03-Nov-2021	01-Nov-2021	**2**
EP074C: Sulfonated Compounds						
Soil Glass Jar - Unpreserved						
1B_202110125_T01	02-Nov-2021	01-Nov-2021	**1**	03-Nov-2021	01-Nov-2021	**2**
EP074D: Fumigants						

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Extraction / Preparation: Date extracted	Extraction / Preparation: Due for extraction	Extraction / Preparation: Days overdue	Analysis: Date analysed	Analysis: Due for analysis	Analysis: Days overdue
EP074D: Fumigants - Analysis Holding Time Compliance						
Soil Glass Jar - Unpreserved						
1B_202110125_T01	02-Nov-2021	01-Nov-2021	**1**	03-Nov-2021	01-Nov-2021	**2**
EP074E: Halogenated Aliphatic Compounds						
Soil Glass Jar - Unpreserved						
1B_202110125_T01	02-Nov-2021	01-Nov-2021	**1**	03-Nov-2021	01-Nov-2021	**2**
EP074F: Halogenated Aromatic Compounds						
Soil Glass Jar - Unpreserved						
1B_202110125_T01	02-Nov-2021	01-Nov-2021	**1**	03-Nov-2021	01-Nov-2021	**2**
EP074G: Trihalomethanes						
Soil Glass Jar - Unpreserved						
1B_202110125_T01	02-Nov-2021	01-Nov-2021	**1**	03-Nov-2021	01-Nov-2021	**2**

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: Date extracted	Extraction / Preparation: Due for extraction	Extraction / Preparation: Evaluation	Analysis: Date analysed	Analysis: Due for analysis	Analysis: Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055)							
1B_202110125_T02	**25-Oct-2021**	**----**	----	----	**04-Nov-2021**	08-Nov-2021	✓
Soil Glass Jar - Unpreserved (EA055)							
1B_202110125_T01	**25-Oct-2021**	**----**	----	----	**04-Nov-2021**	08-Nov-2021	✓
EG005(ED093)T: Total Metals by ICP-AES							
Soil Glass Jar - Unpreserved (EG005T)							
1B_202110125_T01	**25-Oct-2021**	**04-Nov-2021**	23-Apr-2022	✓	**04-Nov-2021**	23-Apr-2022	✓
EG035T: Total Recoverable Mercury by FIMS							
Soil Glass Jar - Unpreserved (EG035T)							
1B_202110125_T01	**25-Oct-2021**	**04-Nov-2021**	22-Nov-2021	✓	**05-Nov-2021**	22-Nov-2021	✓
EP068A: Organochlorine Pesticides (OC)							
Soil Glass Jar - Unpreserved (EP068)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	08-Nov-2021	✓	**04-Nov-2021**	12-Dec-2021	✓

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
EP068B: Organophosphorus Pesticides (OP)							
Soil Glass Jar - Unpreserved (EP068)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	08-Nov-2021	✓	**04-Nov-2021**	12-Dec-2021	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP074)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	01-Nov-2021	×	**03-Nov-2021**	01-Nov-2021	×
EP074B: Oxygenated Compounds							
Soil Glass Jar - Unpreserved (EP074)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	01-Nov-2021	×	**03-Nov-2021**	01-Nov-2021	×
EP074C: Sulfonated Compounds							
Soil Glass Jar - Unpreserved (EP074)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	01-Nov-2021	×	**03-Nov-2021**	01-Nov-2021	×
EP074D: Fumigants							
Soil Glass Jar - Unpreserved (EP074)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	01-Nov-2021	×	**03-Nov-2021**	01-Nov-2021	×
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved (EP074)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	01-Nov-2021	×	**03-Nov-2021**	01-Nov-2021	×
EP074F: Halogenated Aromatic Compounds							
Soil Glass Jar - Unpreserved (EP074)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	01-Nov-2021	×	**03-Nov-2021**	01-Nov-2021	×
EP074G: Trihalomethanes							
Soil Glass Jar - Unpreserved (EP074)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	01-Nov-2021	×	**03-Nov-2021**	01-Nov-2021	×
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM))							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	08-Nov-2021	✓	**04-Nov-2021**	12-Dec-2021	✓
EP075A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	08-Nov-2021	✓	**04-Nov-2021**	12-Dec-2021	✓
EP075B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	08-Nov-2021	✓	**04-Nov-2021**	12-Dec-2021	✓
EP075C: Phthalate Esters							
Soil Glass Jar - Unpreserved (EP075)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	08-Nov-2021	✓	**04-Nov-2021**	12-Dec-2021	✓
EP075D: Nitrosamines							
Soil Glass Jar - Unpreserved (EP075)							
1B_202110125_T01	**25-Oct-2021**	**02-Nov-2021**	08-Nov-2021	✓	**04-Nov-2021**	12-Dec-2021	✓

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
EP075E: Nitroaromatics and Ketones							
Soil Glass Jar - Unpreserved (EP075) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP075F: Haloethers							
Soil Glass Jar - Unpreserved (EP075) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP075G: Chlorinated Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP075H: Anilines and Benzidines							
Soil Glass Jar - Unpreserved (EP075) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP075I: Organochlorine Pesticides							
Soil Glass Jar - Unpreserved (EP075) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP075J: Organophosphorus Pesticides							
Soil Glass Jar - Unpreserved (EP075) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP080) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	03-Nov-2021	08-Nov-2021	✓
Soil Glass Jar - Unpreserved (EP071) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Soil Glass Jar - Unpreserved (EP080) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	03-Nov-2021	08-Nov-2021	✓
Soil Glass Jar - Unpreserved (EP071) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	04-Nov-2021	12-Dec-2021	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved (EP080) 1B_202110125_T01	25-Oct-2021	02-Nov-2021	08-Nov-2021	✓	03-Nov-2021	08-Nov-2021	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 1B_202110125_T01, 1B_202110125_T02	25-Oct-2021	03-Nov-2021	23-Apr-2022	✓	03-Nov-2021	13-Dec-2021	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 1B_202110125_T01, 1B_202110125_T02	25-Oct-2021	03-Nov-2021	23-Apr-2022	✓	03-Nov-2021	13-Dec-2021	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) 1B_202110125_T01, 1B_202110125_T02	25-Oct-2021	03-Nov-2021	23-Apr-2022	✓	03-Nov-2021	13-Dec-2021	✓

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
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X)							
1B_202110125_T01, 1B_202110125_T02	**25-Oct-2021**	**03-Nov-2021**	23-Apr-2022	✓	**03-Nov-2021**	13-Dec-2021	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X)							
1B_202110125_T01, 1B_202110125_T02	**25-Oct-2021**	**03-Nov-2021**	23-Apr-2022	✓	**03-Nov-2021**	13-Dec-2021	✓

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	2	20	10.00	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
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	100.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	100.00	10.00	✓	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	20	10.00	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	2	18	11.11	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)							
PAH/Phenols (SIM)	EP075(SIM)	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	100.00	5.00	✓	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	20	5.00	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	18	5.56	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)							
PAH/Phenols (SIM)	EP075(SIM)	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	100.00	5.00	✓	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	20	5.00	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	18	5.56	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)							
PAH/Phenols (SIM)	EP075(SIM)	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	17	5.88	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							
Total Metals by ICP-AES	EG005T	1	20	**5.00**	**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	18	**5.56**	**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 AS 3550, 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)
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 LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions

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.

ALS Environmental

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2139396**

Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Contact	: Monica Wright
Address	: UNIT 11/277 LANE COVE ROAD MACQUARIE PARK 2113	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: nicholas.grbich@erm.com	E-mail	: monica.wright@alsglobal.com
Telephone	: ----	Telephone	: +61-2-8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: WPCA BCC - 0571466	Page	: 1 of 2
Order number	: ----	Quote number	: EP2020ENVRES0018 (EN/114)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: ----		
Sampler	: JACK EMBLEN		

Dates

Date Samples Received	: 01-Nov-2021 11:25	Issue Date	: 01-Nov-2021
Client Requested Due Date	: 08-Nov-2021	Scheduled Reporting Date	: **08-Nov-2021**

Delivery Details

Mode of Delivery	: Carrier	Security Seal	: Intact.
No. of coolers/boxes	: 2	Temperature	: 8.5'C - Ice 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
- **TRH/BTEX/PAH/SVOC/VOC/8 metals & OCP/OPP analysis not added for sample #2 as no soil jar was provided.**
- **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.
- Analytical work for this work order will be conducted at ALS Sydney.
- 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 (28 analytes)	SOIL - S-12 OC/OP Pesticides	SOIL - S-23 minus BTEXN SVOC/VOC minus BTEXN	SOIL - S-26 8 metals/TRH/BTEXN/PAH
ES2139396-001	25-Oct-2021 00:00	1B_202110125_T01	✓	✓	✓	✓	✓
ES2139396-002	25-Oct-2021 00:00	1B_202110125_T02	✓	✓			

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	au.accounts@erm.com

IAN BATTERLEY

- *AU Certificate of Analysis - NATA (COA)	Email	Ian.Batterley@erm.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	Ian.Batterley@erm.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	Ian.Batterley@erm.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	Ian.Batterley@erm.com
- Chain of Custody (CoC) (COC)	Email	Ian.Batterley@erm.com
- EDI Format - ENMRG (ENMRG)	Email	Ian.Batterley@erm.com
- EDI Format - EQUIS V5 ERM (EQUIS_V5_ERM)	Email	Ian.Batterley@erm.com
- EDI Format - ESDAT (ESDAT)	Email	Ian.Batterley@erm.com

JACK EMBLEN

- *AU Certificate of Analysis - NATA (COA)	Email	jack.emblen@erm.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jack.emblen@erm.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jack.emblen@erm.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jack.emblen@erm.com
- Chain of Custody (CoC) (COC)	Email	jack.emblen@erm.com
- EDI Format - ENMRG (ENMRG)	Email	jack.emblen@erm.com
- EDI Format - EQUIS V5 ERM (EQUIS_V5_ERM)	Email	jack.emblen@erm.com
- EDI Format - ESDAT (ESDAT)	Email	jack.emblen@erm.com

NICHOLAS GRBICH

- *AU Certificate of Analysis - NATA (COA)	Email	nicholas.grbich@erm.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	nicholas.grbich@erm.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	nicholas.grbich@erm.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	nicholas.grbich@erm.com
- A4 - AU Tax Invoice (INV)	Email	nicholas.grbich@erm.com
- Chain of Custody (CoC) (COC)	Email	nicholas.grbich@erm.com
- EDI Format - ENMRG (ENMRG)	Email	nicholas.grbich@erm.com
- EDI Format - EQUIS V5 ERM (EQUIS_V5_ERM)	Email	nicholas.grbich@erm.com
- EDI Format - ESDAT (ESDAT)	Email	nicholas.grbich@erm.com

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, Ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information / **Tests Required**

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**	BTEX												Comments
	1B_TP60_0.1		25/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP60_0.5		25/20/2021	SOIL		X													
	1B_TP61_0.1		25/20/2021	SOIL	X														
	1B_TP61_0.5		25/20/2021	SOIL		X													
	1B_TP62_0.1		25/20/2021	SOIL	X														
	1B_TP62_0.5		25/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP52_0.1		25/20/2021	SOIL	X														
	1B_TP52_0.5		25/20/2021	SOIL		X													
	1B_TP53_0.1		25/20/2021	SOIL	X														
	1B_20211025_D01		25/20/2021	SOIL		X													
	1B_20211025_D02		25/20/2021	SOIL		X													
1	1B_20211025_T01		25/20/2021	SOIL		X													PLEASE SEND TO ALS
2	1B_20211025_T02		25/20/2021	SOIL		X													PLEASE SEND TO ALS
	TS/TB		25/20/2021	WATER			X												
	1B_20211025_R01		25/20/2021	WATER		X													

Environmental Division
Sydney
Work Order Reference
ES2139396
Telephone : + 61-2-8784 8555

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: Ruf
Date & Time: 26/10/21
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: (if applicable)
Transported by: Hand delivered / courier

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
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Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, lan.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments: # 835522

Sample information / **Tests Required** / **Comments**

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP54_0.1		25/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP54_0.5		25/20/2021	SOIL		X													
	1B_TP51_0.1		25/20/2021	SOIL	X														
	1B_TP51_0.5		25/20/2021	SOIL		X													
	1B_TP50_0.05		25/20/2021	SOIL	X														
	1B_TP50_0.5		25/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP49_0.1		25/20/2021	SOIL	X														
	1B_TP49_0.5		25/20/2021	SOIL		X													
	1B_TP48_0.1		25/20/2021	SOIL	X														
	1B_TP48_0.5		25/20/2021	SOIL		X													
	1B_TP47_0.1		25/20/2021	SOIL	X														
	1B_TP47_0.4		25/20/2021	SOIL		X													
	1B_TP42_0.1		25/20/2021	SOIL	X														
	1B_TP42_0.3		25/20/2021	SOIL		X													

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company): Envirolab
Print Name: RPhillips
Date & Time: 26/10/21 4:08pm
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: 12.1°C **(if applicable)**
Transported by: Hand delivered / courier

White - Lab copy / Blue - Client copy / Pink - Retain in Book

rec: FMW 1/11/21 11:28

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
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Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an `A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, Ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information | **Tests Required** | **Comments**

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**	Comments
	1B_TP43_0.1		25/20/2021	SOIL	X		*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP43_0.4		25/20/2021	SOIL		X	
	1B_TP44_0.1		25/20/2021	SOIL	X		
	1B_TP44_0.5		25/20/2021	SOIL		X	
	1B_TP45_0.1		25/20/2021	SOIL	X		
	1B_TP45_0.4		25/20/2021	SOIL		X	**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP37_0.1		25/20/2021	SOIL	X		
	1B_TP37_0.3		25/20/2021	SOIL		X	
	1B_TP31_0.1		25/20/2021	SOIL	X		
	1B_TP31_0.4		25/20/2021	SOIL		X	
	1B_TP32_0.1		25/20/2021	SOIL	X		
	1B_TP32_0.4		25/20/2021	SOIL		X	
	1B_TP25_0.1		25/20/2021	SOIL	X		
	1B_TP25_0.3		25/20/2021	SOIL		X	

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RP
Date & Time: 26/10/21
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

White - Lab copy / Blue - Client copy / Pink - Retain in Book

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
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Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an 'A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information / **Tests Required** / **Comments**

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP63_0.1		25/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP63_0.5		25/20/2021	SOIL		X													
	1B_TP55_0.1		25/20/2021	SOIL	X														
	1B_TP55_0.5		25/20/2021	SOIL		X													
	1B_TP56_0.1		25/20/2021	SOIL	X														
	1B_TP56_0.5		25/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP64_0.1		25/20/2021	SOIL	X														
	1B_TP64_0.5		25/20/2021	SOIL		X													
	1B_TP65_0.1		25/20/2021	SOIL	X														
	1B_TP65_0.5		25/20/2021	SOIL		X													
	1B_TP57_0.1		25/20/2021	SOIL	X														
	1B_TP57_0.5		25/20/2021	SOIL		X													
	1B_TP59_0.1		25/20/2021	SOIL	X														
	1B_TP59_0.5		25/20/2021	SOIL		X													

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RP
Date & Time: 26/10/21
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: (if applicable)
Transported by: Hand delivered / courier

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES2139572**	Page	: 1 of 15
Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Contact	: Monica Wright
Address	: UNIT 11/277 LANE COVE ROAD MACQUARIE PARK 2113	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: WPCA BCC - 0571466	Date Samples Received	: 02-Nov-2021 15:00
Order number	: ----	Date Analysis Commenced	: 03-Nov-2021
C-O-C number	: ----	Issue Date	: 08-Nov-2021 15:30
Sampler	: JACK EMBLEN		
Site	: ----		
Quote number	: EN/114		
No. of samples received	: 4		
No. of samples analysed	: 3		

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*
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Evie Sidarta	Inorganic Chemist	Sydney Inorganics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW
Wisam Marassa	Inorganics Coordinator	Sydney Inorganics, 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 Contact 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. 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 (Australian HEPA) and also conform to QSM 5.3 (US DoD) requirements.

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	**20.4**	----	**14.1**	----	----
EG005(ED093)T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	**10**	----	**10**	----	----
Cadmium	7440-43-9	1	mg/kg	<1	----	<1	----	----
Chromium	7440-47-3	2	mg/kg	**13**	----	**17**	----	----
Copper	7440-50-8	5	mg/kg	**20**	----	**18**	----	----
Lead	7439-92-1	5	mg/kg	**23**	----	**10**	----	----
Nickel	7440-02-0	2	mg/kg	**14**	----	**5**	----	----
Zinc	7440-66-6	5	mg/kg	**37**	----	**27**	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	----	<0.1	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	<0.05	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	<0.05	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	<0.05	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	<0.05	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	<0.05	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	<0.05	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	<0.05	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	<0.05	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg	<0.05	----	<0.05	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	<0.05	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	<0.05	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	<0.05	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	<0.05	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	<0.05	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	----	<0.05	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	<0.05	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	----	<0.05	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	<0.05	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	<0.05	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	<0.05	----	----
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	<0.2	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	<0.05	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP068A: Organochlorine Pesticides (OC) - Continued								
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	<0.2	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	----	<0.05	----	----
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/50-2	0.05	mg/kg	<0.05	----	<0.05	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	<0.05	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	<0.05	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	<0.2	----	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	<0.05	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	<0.05	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	<0.05	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	<0.2	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	----	<0.05	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	<0.05	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	<0.05	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	----	<0.2	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	<0.05	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	----	<0.05	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	----	<0.05	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	----	<0.05	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	----	<0.05	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	----	<0.05	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	----	<0.05	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	----	<0.05	----	----
EP074A: Monocyclic Aromatic Hydrocarbons								
Styrene	100-42-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	----	<0.5	----	----
n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	----	<0.5	----	----
1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	----	<0.5	----	----
sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	----	<0.5	----	----
tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	----	<0.5	----	----
p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	----	<0.5	----	----
n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	----	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP074B: Oxygenated Compounds								
Vinyl Acetate	108-05-4	5	mg/kg	<5	----	<5	----	----
2-Butanone (MEK)	78-93-3	5	mg/kg	<5	----	<5	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	----	<5	----	----
2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	----	<5	----	----
EP074C: Sulfonated Compounds								
Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	----	<0.5	----	----
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	----	<0.5	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	----	<0.5	----	----
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	----	<0.5	----	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	----	<5	----	----
Chloromethane	74-87-3	5	mg/kg	<5	----	<5	----	----
Vinyl chloride	75-01-4	5	mg/kg	<5	----	<5	----	----
Bromomethane	74-83-9	5	mg/kg	<5	----	<5	----	----
Chloroethane	75-00-3	5	mg/kg	<5	----	<5	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg	<5	----	<5	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Iodomethane	74-88-4	0.5	mg/kg	<0.5	----	<0.5	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	----	<0.5	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	----	<0.5	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	----	<0.5	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	----	<0.5	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	----	<0.5	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	----	<0.5	----	----
Trichloroethene	79-01-6	0.5	mg/kg	<0.5	----	<0.5	----	----
Dibromomethane	74-95-3	0.5	mg/kg	<0.5	----	<0.5	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	----	<0.5	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	----	<0.5	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	----	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP074E: Halogenated Aliphatic Compounds - Continued								
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	----	<0.5	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	----	<0.5	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	----	<0.5	----	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Bromobenzene	108-86-1	0.5	mg/kg	<0.5	----	<0.5	----	----
2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	----	<0.5	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	----	<0.5	----	----
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	----	<0.5	----	----
Bromoform	75-25-2	0.5	mg/kg	<0.5	----	<0.5	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	**0.6**	----	**0.6**	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	**1.2**	----	**1.2**	----	----
EP075A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	<0.5	----	<0.5	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	----	<0.5	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	----	<0.5	----	----
3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<0.5	----	<0.5	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	----	<0.5	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	----	<0.5	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	----	<0.5	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	----	<0.5	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	----	<0.5	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	----	<0.5	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Pentachlorophenol	87-86-5	1	mg/kg	<1	----	<1	----	----
EP075B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	<0.5	----	----
2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	----	<0.5	----	----
2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	<0.5	----	----
N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	----	<1	----	----
7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP075B: Polynuclear Aromatic Hydrocarbons - Continued								
3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Sum of PAHs	----	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	**0.6**	----	**0.6**	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	**1.2**	----	**1.2**	----	----
EP075C: Phthalate Esters								
Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	----	<0.5	----	----
Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	----	<0.5	----	----
Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	----	<0.5	----	----
bis(2-ethylhexyl) phthalate	117-81-7	5.0	mg/kg	<5.0	----	<5.0	----	----
Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	----	<0.5	----	----
EP075D: Nitrosamines								
N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	----	<0.5	----	----
N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	----	<0.5	----	----
N-Nitrosopyrrolidine	930-55-2	1.0	mg/kg	<1.0	----	<1.0	----	----
N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	----	<0.5	----	----
N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	----	<0.5	----	----
N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	----	<0.5	----	----
N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	----	<0.5	----	----
N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	1.0	mg/kg	<1.0	----	<1.0	----	----
Methapyrilene	91-80-5	0.5	mg/kg	<0.5	----	<0.5	----	----
EP075E: Nitroaromatics and Ketones								
2-Picoline	109-06-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Acetophenone	98-86-2	0.5	mg/kg	<0.5	----	<0.5	----	----
Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Isophorone	78-59-1	0.5	mg/kg	<0.5	----	<0.5	----	----
2.6-Dinitrotoluene	606-20-2	1.0	mg/kg	<1.0	----	<1.0	----	----
2.4-Dinitrotoluene	121-14-2	1.0	mg/kg	<1.0	----	<1.0	----	----
1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	----	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP075E: Nitroaromatics and Ketones - Continued								
4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	----	<0.5	----	----
5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Azobenzene	103-33-3	1	mg/kg	<1	----	<1	----	----
1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Phenacetin	62-44-2	0.5	mg/kg	<0.5	----	<0.5	----	----
4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	----	<0.5	----	----
Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Pronamide	23950-58-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	----	<0.5	----	----
EP075F: Haloethers								
Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	----	<0.5	----	----
4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	----	<0.5	----	----
4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	----	<0.5	----	----
EP075G: Chlorinated Hydrocarbons								
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	----	<0.5	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	----	<0.5	----	----
Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	----	<0.5	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	----	<0.5	----	----
Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	----	<2.5	----	----
Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Hexachlorobenzene (HCB)	118-74-1	1.0	mg/kg	<1.0	----	<1.0	----	----
EP075H: Anilines and Benzidines								
Aniline	62-53-3	0.5	mg/kg	<0.5	----	<0.5	----	----
4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	----	<0.5	----	----
2-Nitroaniline	88-74-4	1.0	mg/kg	<1.0	----	<1.0	----	----
3-Nitroaniline	99-09-2	1.0	mg/kg	<1.0	----	<1.0	----	----
Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	----	<0.5	----	----
4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	----	<0.5	----	----
Carbazole	86-74-8	0.5	mg/kg	<0.5	----	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP075H: Anilines and Benzidines - Continued								
3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	----	<0.5	----	----
EP075I: Organochlorine Pesticides								
alpha-BHC	319-84-6	0.5	mg/kg	<0.5	----	<0.5	----	----
beta-BHC	319-85-7	0.5	mg/kg	<0.5	----	<0.5	----	----
gamma-BHC	58-89-9	0.5	mg/kg	<0.5	----	<0.5	----	----
delta-BHC	319-86-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Heptachlor	76-44-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Aldrin	309-00-2	0.5	mg/kg	<0.5	----	<0.5	----	----
Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	----	<0.5	----	----
alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	----	<0.5	----	----
4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Dieldrin	60-57-1	0.5	mg/kg	<0.5	----	<0.5	----	----
Endrin	72-20-8	0.5	mg/kg	<0.5	----	<0.5	----	----
beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	----	<0.5	----	----
4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	----	<0.5	----	----
4.4`-DDT	50-29-3	1.0	mg/kg	<1.0	----	<1.0	----	----
EP075J: Organophosphorus Pesticides								
Dichlorvos	62-73-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Dimethoate	60-51-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Diazinon	333-41-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Malathion	121-75-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Fenthion	55-38-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	----	<0.5	----	----
Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	----	<0.5	----	----
Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	----	<0.5	----	----
Prothiofos	34643-46-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Ethion	563-12-2	0.5	mg/kg	<0.5	----	<0.5	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	<10	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	----	<50	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	<100	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	----	<100	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP080/071: Total Petroleum Hydrocarbons - Continued								
^ C10 - C36 Fraction (sum)	----	50	mg/kg	<50	----	<50	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	----	<10	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	----	<10	----	----
>C10 - C16 Fraction	----	50	mg/kg	<50	----	<50	----	----
>C16 - C34 Fraction	----	100	mg/kg	<100	----	<100	----	----
>C34 - C40 Fraction	----	100	mg/kg	<100	----	<100	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	<50	----	<50	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	<50	----	<50	----	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	----	<0.2	----	----
Toluene	108-88-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	----	<0.5	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	----	<0.5	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Sum of BTEX	----	0.2	mg/kg	<0.2	----	<0.2	----	----
^ Total Xylenes	----	0.5	mg/kg	<0.5	----	<0.5	----	----
Naphthalene	91-20-3	1	mg/kg	<1	----	<1	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0002**	<0.0002	<0.0002	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<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	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP231B: Perfluoroalkyl Carboxylic Acids - Continued								
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<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	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<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	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<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	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				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	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	----	----
EP231P: PFAS Sums								
Sum of PFAS	----	0.0002	mg/kg	**0.0002**	<0.0002	<0.0002	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	**0.0002**	<0.0002	<0.0002	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg	**0.0002**	<0.0002	<0.0002	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	**88.8**	----	**90.2**	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	**88.1**	----	**88.4**	----	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	**90.6**	----	**96.0**	----	----
Toluene-D8	2037-26-5	0.5	%	**87.5**	----	**94.2**	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	**78.7**	----	**86.0**	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	**86.6**	----	**93.0**	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	**82.9**	----	**88.6**	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%	**86.3**	----	**96.4**	----	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	**94.9**	----	**97.6**	----	----
Anthracene-d10	1719-06-8	0.5	%	**98.4**	----	**104**	----	----
4-Terphenyl-d14	1718-51-0	0.5	%	**83.6**	----	**93.1**	----	----
EP075S: Acid Extractable Surrogates								
2-Fluorophenol	367-12-4	0.5	%	**109**	----	**125**	----	----
Phenol-d6	13127-88-3	0.5	%	**83.3**	----	**102**	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	**112**	----	**107**	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%	**73.7**	----	**79.2**	----	----
EP075T: Base/Neutral Extractable Surrogates								
Nitrobenzene-D5	4165-60-0	0.5	%	**87.5**	----	**91.7**	----	----
1.2-Dichlorobenzene-D4	2199-69-1	0.5	%	**89.8**	----	**82.1**	----	----
2-Fluorobiphenyl	321-60-8	0.5	%	**81.2**	----	**96.3**	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	1B_20211027_T01	1B_20211027_T02	1B_20211027_T03	----	----
			Sampling date / time	27-Oct-2021 00:00	27-Oct-2021 00:00	27-Oct-2021 00:00	----	----
Compound	CAS Number	LOR	Unit	ES2139572-001	ES2139572-002	ES2139572-003	--------	--------
				Result	Result	Result	----	----
EP075T: Base/Neutral Extractable Surrogates - Continued								
Anthracene-d10	1719-06-8	0.5	%	**120**	**----**	**117**	**----**	**----**
4-Terphenyl-d14	1718-51-0	0.5	%	**110**	**----**	**100**	**----**	**----**
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	**88.7**	**----**	**94.0**	**----**	**----**
Toluene-D8	2037-26-5	0.2	%	**87.2**	**----**	**93.9**	**----**	**----**
4-Bromofluorobenzene	460-00-4	0.2	%	**79.3**	**----**	**85.1**	**----**	**----**
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.0002	%	**100**	**116**	**106**	**----**	**----**
13C8-PFOA	----	0.0002	%	**103**	**116**	**85.5**	**----**	**----**

Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
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	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

ALS Environmental

QUALITY CONTROL REPORT

Work Order	: **ES2139572**	Page	: 1 of 23
Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Contact	: Monica Wright
Address	: UNIT 11/277 LANE COVE ROAD MACQUARIE PARK 2113	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: WPCA BCC - 0571466	Date Samples Received	: 02-Nov-2021
Order number	: ----	Date Analysis Commenced	: 03-Nov-2021
C-O-C number	: ----	Issue Date	: 08-Nov-2021
Sampler	: JACK EMBLEN		
Site	: ----		
Quote number	: EN/114		
No. of samples received	: 4		
No. of samples analysed	: 3		

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*
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Evie Sidarta	Inorganic Chemist	Sydney Inorganics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW
Wisam Marassa	Inorganics Coordinator	Sydney Inorganics, 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

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: 3996725)									
ES2139562-001	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	19	18	0.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	11	11	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	7	8	13.9	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	36	34	3.2	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	14	15	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	44	46	3.5	No Limit
ES2139819-005	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	8	11	28.6	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	2	2	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	7	8	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	12	17	34.3	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	24	22	9.7	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 3992842)									
ES2138982-001	Anonymous	EA055: Moisture Content	----	0.1	%	17.8	18.0	1.2	0% - 50%
ES2139572-002	1B_20211027_T02	EA055: Moisture Content	----	0.1	%	17.3	16.9	2.4	0% - 50%
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 3996726)									
ES2139562-001	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
ES2139819-005	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 3991852)									
ES2139572-001	1B_20211027_T01	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP068A: Organochlorine Pesticides (OC) (QC Lot: 3991852) - continued									
ES2139572-001	1B_20211027_T01	EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC	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: 3991852)									
ES2139572-001	1B_20211027_T01	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: 3991389)									

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 3991389) - continued									
ES2139572-001	1B_20211027_T01	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: 3991389)									
ES2139572-001	1B_20211027_T01	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: 3991389)									
ES2139572-001	1B_20211027_T01	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074D: Fumigants (QC Lot: 3991389)									
ES2139572-001	1B_20211027_T01	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: 3991389)									
ES2139572-001	1B_20211027_T01	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP074E: Halogenated Aliphatic Compounds (QC Lot: 3991389) - continued									
ES2139572-001	1B_20211027_T01	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: 3991389)									
ES2139572-001	1B_20211027_T01	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: 3991389)									
ES2139572-001	1B_20211027_T01	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)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 3991850)									
ES2139572-001	1B_20211027_T01	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
				Laboratory Duplicate (DUP) Report					
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 3991850) - continued									
ES2139572-001	1B_20211027_T01	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: 3991851)									
ES2139572-001	1B_20211027_T01	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: 3991851)									
ES2139572-001	1B_20211027_T01	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: 3991851)									
ES2139572-001	1B_20211027_T01	EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP075C: Phthalate Esters (QC Lot: 3991851) - continued									
ES2139572-001	1B_20211027_T01	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: 3991851)									
ES2139572-001	1B_20211027_T01	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	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	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: 3991851)									
ES2139572-001	1B_20211027_T01	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	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 2.4-Dinitrotoluene	121-14-2	0.5	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: 3991851)									
ES2139572-001	1B_20211027_T01	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: 3991851)									

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP075G: Chlorinated Hydrocarbons (QC Lot: 3991851) - continued									
ES2139572-001	1B_20211027_T01	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	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: 3991851)									
ES2139572-001	1B_20211027_T01	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	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 3-Nitroaniline	99-09-2	0.5	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: 3991851)									
ES2139572-001	1B_20211027_T01	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	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	mg/kg	<1.0	<1.0	0.0	No Limit
EP075J: Organophosphorus Pesticides (QC Lot: 3991851)									
ES2139572-001	1B_20211027_T01	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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
				Laboratory Duplicate (DUP) Report					
EP075J: Organophosphorus Pesticides (QC Lot: 3991851) - continued									
ES2139572-001	1B_20211027_T01	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: 3991390)									
ES2139572-001	1B_20211027_T01	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 3991849)									
ES2139572-001	1B_20211027_T01	EP071: C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 3991390)									
ES2139572-001	1B_20211027_T01	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 3991849)									
ES2139572-001	1B_20211027_T01	EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080: BTEXN (QC Lot: 3991390)									
ES2139572-001	1B_20211027_T01	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: 3991158)									
EP2113072-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2139320-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0011	0.0010	10.6	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0021	0.0024	12.7	0% - 50%

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 3991158) - continued									
ES2139320-002	Anonymous	EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 3991158)									
EP2113072-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		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
ES2139320-002	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 3991158)									
EP2113072-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2139320-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 3991158) - continued									
ES2139320-002	Anonymous	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: 3991158)									
EP2113072-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2139320-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	0.0009	0.0009	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: 3996725)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	121.1 mg/kg	105	88.0	113
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	0.74 mg/kg	91.7	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	19.6 mg/kg	111	68.0	132
EG005T: Copper	7440-50-8	5	mg/kg	<5	52.9 mg/kg	105	89.0	111
EG005T: Lead	7439-92-1	5	mg/kg	<5	60.8 mg/kg	100	82.0	119
EG005T: Nickel	7440-02-0	2	mg/kg	<2	15.3 mg/kg	100	80.0	120
EG005T: Zinc	7440-66-6	5	mg/kg	<5	139.3 mg/kg	93.8	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3996726)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	98.7	70.0	125
EP068A: Organochlorine Pesticides (OC) (QCLot: 3991852)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	89.6	69.0	113
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	90.1	65.0	117
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	90.4	67.0	119
EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	92.8	68.0	116
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	90.4	65.0	117
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	87.5	67.0	115
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	90.7	69.0	115
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	90.7	62.0	118
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	90.8	63.0	117
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	95.8	66.0	116
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	91.1	64.0	116
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	91.0	66.0	116
EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	77.6	67.0	115
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	89.9	67.0	123
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	91.7	69.0	115
EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	89.2	69.0	121
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	78.9	56.0	120
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	88.1	62.0	124
EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	88.1	66.0	120
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	91.0	64.0	122
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	85.6	54.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 3991852)								
EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	0.5 mg/kg	84.6	59.0	119
EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	90.0	62.0	128

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: 3991852) - continued								
EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	0.5 mg/kg	98.6	54.0	126
EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	0.5 mg/kg	89.5	67.0	119
EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	0.5 mg/kg	95.3	70.0	120
EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	0.5 mg/kg	86.3	72.0	120
EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	0.5 mg/kg	85.0	68.0	120
EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	0.5 mg/kg	85.0	68.0	122
EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	0.5 mg/kg	86.0	69.0	117
EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	0.5 mg/kg	84.7	76.0	118
EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	0.5 mg/kg	89.2	64.0	122
EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	0.5 mg/kg	87.6	70.0	116
EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	0.5 mg/kg	84.9	69.0	121
EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	0.5 mg/kg	84.2	66.0	118
EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	0.5 mg/kg	85.8	68.0	124
EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	0.5 mg/kg	87.7	62.0	112
EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	0.5 mg/kg	81.5	68.0	120
EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	0.5 mg/kg	87.7	65.0	127
EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	0.5 mg/kg	87.3	41.0	123
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 3991389)								
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	93.6	67.0	113
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	97.6	65.0	117
EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	1 mg/kg	98.1	66.0	122
EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	1 mg/kg	98.1	68.0	118
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	97.8	69.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	97.6	69.0	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	98.5	69.0	115
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	97.5	66.0	118
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	95.8	59.0	125
EP074B: Oxygenated Compounds (QCLot: 3991389)								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	92.3	29.6	156
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	99.3	58.0	136
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	89.2	62.0	132
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	91.0	54.0	136
EP074C: Sulfonated Compounds (QCLot: 3991389)								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	97.2	54.0	126
EP074D: Fumigants (QCLot: 3991389)								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	89.9	60.0	126
EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	1 mg/kg	95.4	68.0	124
EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	1 mg/kg	89.1	51.0	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
EP074D: Fumigants (QCLot: 3991389) - continued								
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	88.2	52.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	96.4	63.0	115
EP074E: Halogenated Aliphatic Compounds (QCLot: 3991389)								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	89.8	30.0	148
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	104	41.0	141
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	107	43.0	147
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	93.9	47.0	141
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	94.4	49.0	143
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	93.7	49.0	135
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	92.0	54.0	126
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	87.4	43.0	129
EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	1 mg/kg	95.2	64.0	120
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	96.0	67.0	125
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	96.3	69.0	121
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	94.5	65.0	117
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	95.3	65.0	123
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	92.6	59.0	125
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	95.9	65.0	125
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	94.4	70.0	118
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	95.2	68.0	118
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	96.2	64.0	126
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	96.6	68.0	122
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	106	67.0	143
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	95.6	62.0	122
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	88.9	54.0	128
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	94.7	55.0	129
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	95.4	65.0	121
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	92.8	61.0	125
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	111	19.8	134
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	92.6	53.0	129
EP074F: Halogenated Aromatic Compounds (QCLot: 3991389)								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	98.1	68.0	116
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	98.3	70.0	114
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	97.2	68.0	122
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	96.4	67.0	123
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	95.3	52.0	122
EP074G: Trihalomethanes (QCLot: 3991389)								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	96.4	66.0	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
EP074G: Trihalomethanes (QCLot: 3991389) - continued								
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	92.3	61.0	121
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	91.9	63.0	121
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	91.0	60.0	126
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 3991850)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	6 mg/kg	97.3	77.0	125
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	6 mg/kg	95.4	72.0	124
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	6 mg/kg	99.4	73.0	127
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	6 mg/kg	98.4	72.0	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	6 mg/kg	101	75.0	127
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	6 mg/kg	104	77.0	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	6 mg/kg	93.2	73.0	127
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	6 mg/kg	94.8	74.0	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	6 mg/kg	91.0	69.0	123
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	6 mg/kg	94.6	75.0	127
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	6 mg/kg	84.1	68.0	116
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	6 mg/kg	95.7	74.0	126
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	6 mg/kg	99.3	70.0	126
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	6 mg/kg	102	61.0	121
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	6 mg/kg	100.0	62.0	118
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	6 mg/kg	103	63.0	121
EP075A: Phenolic Compounds (QCLot: 3991851)								
EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	1.5 mg/kg	99.8	64.0	114
EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	1.5 mg/kg	97.0	57.0	115
EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	1.5 mg/kg	102	55.0	117
EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<0.5	1.5 mg/kg	108	46.0	122
EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	92.5	47.0	117
EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	1.5 mg/kg	# 117	13.7	108
EP075: 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	1.5 mg/kg	93.5	47.0	105
EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	1.5 mg/kg	91.1	48.0	110
EP075: 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	1.5 mg/kg	81.0	57.0	113
EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	1.5 mg/kg	64.5	49.0	109
EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	1.5 mg/kg	58.9	49.0	107
EP075: Pentachlorophenol	87-86-5	1	mg/kg	<1	3 mg/kg	29.6	12.0	76.0
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 3991851)								
EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	1.5 mg/kg	101	62.0	118
EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	1.5 mg/kg	78.0	58.0	116
EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	1.5 mg/kg	84.9	54.0	112

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: 3991851) - continued								
EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	1.5 mg/kg	92.4	56.0	114
EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	1.5 mg/kg	97.1	62.0	112
EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	97.8	59.0	115
EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	1.5 mg/kg	95.9	63.0	113
EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	1.5 mg/kg	95.7	57.0	111
EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	1.5 mg/kg	98.3	58.0	114
EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	1.5 mg/kg	97.8	57.0	117
EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	1.5 mg/kg	83.0	58.0	114
EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	96.7	59.0	115
EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	1.5 mg/kg	101	61.0	117
EP075: Benzo(b+j) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	3 mg/kg	92.4	57.0	119
EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	1.5 mg/kg	# 124	48.1	106
EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	1.5 mg/kg	92.3	56.0	116
EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	1.5 mg/kg	92.9	50.0	116
EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	1.5 mg/kg	86.5	55.0	117
EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	1.5 mg/kg	85.4	53.0	119
EP075: Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	1.5 mg/kg	86.2	56.0	120
EP075C: Phthalate Esters (QCLot: 3991851)								
EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	1.5 mg/kg	87.1	60.0	118
EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	1.5 mg/kg	93.9	65.0	115
EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	1.5 mg/kg	97.8	65.0	121
EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	1.5 mg/kg	100	62.0	116
EP075: bis(2-ethylhexyl) phthalate	117-81-7	----	mg/kg	----	1.5 mg/kg	97.1	69.0	133
EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	1.5 mg/kg	92.9	62.0	124
EP075D: Nitrosamines (QCLot: 3991851)								
EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	1.5 mg/kg	99.4	39.4	124
EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	1.5 mg/kg	80.7	59.0	117
EP075: N-Nitrosopyrrolidine	930-55-2	0.5	mg/kg	<0.5	1.5 mg/kg	113	53.0	125
EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	1.5 mg/kg	88.5	65.0	121
EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	1.5 mg/kg	100	59.0	123
EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	1.5 mg/kg	96.5	57.0	115
EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	1.5 mg/kg	86.2	57.0	119
EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5	mg/kg	<0.6	3 mg/kg	92.4	42.0	112
EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	1.5 mg/kg	68.6	16.3	123
EP075E: Nitroaromatics and Ketones (QCLot: 3991851)								
EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	1.5 mg/kg	81.4	27.3	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
EP075E: Nitroaromatics and Ketones (QCLot: 3991851) - continued								
EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	1.5 mg/kg	98.8	60.0	116
EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	1.5 mg/kg	83.3	65.0	119
EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	1.5 mg/kg	112	62.0	116
EP075: 2.6-Dinitrotoluene	606-20-2	0.5	mg/kg	<0.5	1.5 mg/kg	86.7	58.0	118
EP075: 2.4-Dinitrotoluene	121-14-2	0.5	mg/kg	<0.5	1.5 mg/kg	87.8	59.0	115
EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	1.5 mg/kg	38.7	18.0	112
EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	1.5 mg/kg	60.8	10.0	87.0
EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	1.5 mg/kg	76.7	48.3	98.5
EP075: Azobenzene	103-33-3	1	mg/kg	<1	1.5 mg/kg	96.8	62.0	118
EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	1.5 mg/kg	69.9	36.0	114
EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	1.5 mg/kg	95.2	62.0	114
EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	1.5 mg/kg	58.7	36.1	102
EP075: Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	1.5 mg/kg	85.5	56.0	110
EP075: Pronamide	23950-58-5	0.5	mg/kg	<0.5	1.5 mg/kg	94.6	54.0	110
EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	1.5 mg/kg	93.4	48.0	108
EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	1.5 mg/kg	99.3	57.4	112
EP075F: Haloethers (QCLot: 3991851)								
EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	1.5 mg/kg	104	63.0	121
EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	1.5 mg/kg	112	59.0	115
EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	1.5 mg/kg	98.0	58.0	112
EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	93.0	58.0	110
EP075G: Chlorinated Hydrocarbons (QCLot: 3991851)								
EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1.5 mg/kg	98.6	58.0	112
EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1.5 mg/kg	97.6	58.0	116
EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1.5 mg/kg	97.8	57.0	115
EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	1.5 mg/kg	90.3	54.0	116
EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1.5 mg/kg	107	62.9	108
EP075: Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	1.5 mg/kg	99.5	39.1	110
EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1.5 mg/kg	94.2	59.0	117
EP075: Hexachlorocyclopentadiene	77-47-4	2.5	mg/kg	<2.5	1.5 mg/kg	67.6	24.3	108
EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	1.5 mg/kg	96.4	57.0	109
EP075: Hexachlorobenzene (HCB)	118-74-1	0.5	mg/kg	<0.5	1.5 mg/kg	95.9	59.0	111
EP075H: Anilines and Benzidines (QCLot: 3991851)								
EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	1.5 mg/kg	79.8	13.2	108
EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	1.5 mg/kg	45.8	20.5	99.0
EP075: 2-Nitroaniline	88-74-4	0.5	mg/kg	<0.5	1.5 mg/kg	78.2	52.0	112
EP075: 3-Nitroaniline	99-09-2	0.5	mg/kg	<0.5	1.5 mg/kg	69.4	31.5	93.7
EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	1.5 mg/kg	98.6	60.0	110

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
EP075H: Anilines and Benzidines (QCLot: 3991851) - continued								
EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	1.5 mg/kg	98.5	42.0	112
EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	1.5 mg/kg	95.7	59.0	111
EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	1.5 mg/kg	60.8	23.1	113
EP075I: Organochlorine Pesticides (QCLot: 3991851)								
EP075: alpha-BHC	319-84-6	0.5	mg/kg	<0.5	1.5 mg/kg	90.8	63.0	113
EP075: beta-BHC	319-85-7	0.5	mg/kg	<0.5	1.5 mg/kg	90.0	57.0	113
EP075: gamma-BHC	58-89-9	0.5	mg/kg	<0.5	1.5 mg/kg	95.4	61.0	117
EP075: delta-BHC	319-86-8	0.5	mg/kg	<0.5	1.5 mg/kg	93.7	64.0	118
EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	1.5 mg/kg	98.9	55.0	115
EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	1.5 mg/kg	100	61.0	115
EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	1.5 mg/kg	94.9	56.0	118
EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	1.5 mg/kg	102	65.0	125
EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	1.5 mg/kg	98.6	60.0	116
EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	1.5 mg/kg	102	64.0	118
EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	1.5 mg/kg	98.6	53.0	117
EP075: beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	1.5 mg/kg	101	65.0	115
EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	1.5 mg/kg	100	62.0	118
EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	1.5 mg/kg	102	63.0	129
EP075: 4.4`-DDT	50-29-3	0.5	mg/kg	<0.5	1.5 mg/kg	99.0	46.0	122
EP075J: Organophosphorus Pesticides (QCLot: 3991851)								
EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	69.4	46.0	112
EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	1.5 mg/kg	76.9	63.0	119
EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	1.5 mg/kg	98.3	68.0	134
EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	1.5 mg/kg	89.1	60.0	130
EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	1.5 mg/kg	97.6	65.0	127
EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	1.5 mg/kg	95.6	60.0	116
EP075: Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	1.5 mg/kg	96.8	63.0	113
EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	1.5 mg/kg	98.5	65.0	115
EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	1.5 mg/kg	92.9	59.0	103
EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	1.5 mg/kg	96.5	59.0	119
EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	1.5 mg/kg	111	62.0	118
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3991390)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	26 mg/kg	91.0	68.4	128
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3991849)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	300 mg/kg	103	75.0	129
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	450 mg/kg	97.3	77.0	131
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	300 mg/kg	97.8	71.0	129
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3991390)								

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
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3991390) - continued								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	31 mg/kg	83.6	68.4	128
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3991849)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	375 mg/kg	103	77.0	125
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	525 mg/kg	92.4	74.0	138
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	225 mg/kg	96.6	63.0	131
EP080: BTEXN (QCLot: 3991390)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	102	62.0	116
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	99.2	67.0	121
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	95.6	65.0	117
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	94.2	66.0	118
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	98.2	68.0	120
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	105	63.0	119
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 3991158)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	110	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	99.6	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	110	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 3991158)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	102	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	111	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	110	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	124	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	125	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	99.5	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	110	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	100	68.7	130

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	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158) - continued								
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	117	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.0	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.6	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 3991158)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	138	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	120	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	134	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	132	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	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 3996725)							
ES2139562-001	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	102	70.0	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	96.0	70.0	130
		EG005T: Chromium	7440-47-3	50 mg/kg	101	68.0	132
		EG005T: Copper	7440-50-8	250 mg/kg	99.3	70.0	130
		EG005T: Lead	7439-92-1	250 mg/kg	95.4	70.0	130
		EG005T: Nickel	7440-02-0	50 mg/kg	92.7	70.0	130
		EG005T: Zinc	7440-66-6	250 mg/kg	94.6	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3996726)							
ES2139562-001	Anonymous	EG035T: Mercury	7439-97-6	5 mg/kg	99.0	70.0	130
EP068A: Organochlorine Pesticides (OC) (QCLot: 3991852)							
ES2139572-001	1B_20211027_T01	EP068: gamma-BHC	58-89-9	0.5 mg/kg	119	70.0	130
		EP068: Heptachlor	76-44-8	0.5 mg/kg	91.1	70.0	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	102	70.0	130
		EP068: Dieldrin	60-57-1	0.5 mg/kg	90.5	70.0	130
		EP068: Endrin	72-20-8	2 mg/kg	100	70.0	130
		EP068: 4.4`-DDT	50-29-3	2 mg/kg	91.9	70.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 3991852)							
ES2139572-001	1B_20211027_T01	EP068: Diazinon	333-41-5	0.5 mg/kg	104	70.0	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
EP068B: Organophosphorus Pesticides (OP) (QCLot: 3991852) - continued							
ES2139572-001	1B_20211027_T01	EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	88.5	70.0	130
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	93.4	70.0	130
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	89.4	70.0	130
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	82.6	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 3991389)							
ES2139572-001	1B_20211027_T01	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	96.1	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 3991389)							
ES2139572-001	1B_20211027_T01	EP074: Chlorobenzene	108-90-7	2.5 mg/kg	99.7	70.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 3991850)							
ES2139572-001	1B_20211027_T01	EP075(SIM): Acenaphthene	83-32-9	10 mg/kg	90.3	70.0	130
		EP075(SIM): Pyrene	129-00-0	10 mg/kg	101	70.0	130
EP075A: Phenolic Compounds (QCLot: 3991851)							
ES2139572-001	1B_20211027_T01	EP075: Phenol	108-95-2	10 mg/kg	111	60.0	130
		EP075: 2-Chlorophenol	95-57-8	10 mg/kg	105	60.0	130
		EP075: 2-Nitrophenol	88-75-5	10 mg/kg	102	50.0	130
		EP075: 4-Chloro-3-methylphenol	59-50-7	10 mg/kg	77.9	50.0	130
		EP075: Pentachlorophenol	87-86-5	10 mg/kg	70.3	10.0	130
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 3991851)							
ES2139572-001	1B_20211027_T01	EP075: Acenaphthene	83-32-9	10 mg/kg	95.9	50.0	130
		EP075: Pyrene	129-00-0	10 mg/kg	101	50.0	130
EP075D: Nitrosamines (QCLot: 3991851)							
ES2139572-001	1B_20211027_T01	EP075: N-Nitrosodi-n-propylamine	621-64-7	10 mg/kg	108	50.0	130
EP075E: Nitroaromatics and Ketones (QCLot: 3991851)							
ES2139572-001	1B_20211027_T01	EP075: 2.4-Dinitrotoluene	121-14-2	10 mg/kg	89.2	40.0	130
EP075G: Chlorinated Hydrocarbons (QCLot: 3991851)							
ES2139572-001	1B_20211027_T01	EP075: 1.4-Dichlorobenzene	106-46-7	10 mg/kg	97.8	60.0	130
		EP075: 1.2.4-Trichlorobenzene	120-82-1	10 mg/kg	105	50.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3991390)							
ES2139572-001	1B_20211027_T01	EP080: C6 - C9 Fraction	----	32.5 mg/kg	104	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3991849)							
ES2139572-001	1B_20211027_T01	EP071: C10 - C14 Fraction	----	480 mg/kg	98.5	73.0	137
		EP071: C15 - C28 Fraction	----	3100 mg/kg	101	53.0	131
		EP071: C29 - C36 Fraction	----	2060 mg/kg	107	52.0	132
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3991390)							

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%) MS	Acceptable Limits (%) Low	High
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3991390) - continued							
ES2139572-001	1B_20211027_T01	EP080: C6 - C10 Fraction	C6_C10	37.5 mg/kg	101	70.0	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3991849)							
ES2139572-001	1B_20211027_T01	EP071: >C10 - C16 Fraction	----	860 mg/kg	97.2	73.0	137
		EP071: >C16 - C34 Fraction	----	4320 mg/kg	102	53.0	131
		EP071: >C34 - C40 Fraction	----	890 mg/kg	117	52.0	132
EP080: BTEXN (QCLot: 3991390)							
ES2139572-001	1B_20211027_T01	EP080: Benzene	71-43-2	2.5 mg/kg	94.6	70.0	130
		EP080: Toluene	108-88-3	2.5 mg/kg	83.3	70.0	130
		EP080: Ethylbenzene	100-41-4	2.5 mg/kg	82.0	70.0	130
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2.5 mg/kg	85.4	70.0	130
		EP080: ortho-Xylene	95-47-6	2.5 mg/kg	91.4	70.0	130
		EP080: Naphthalene	91-20-3	2.5 mg/kg	91.1	70.0	130
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	98.4	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	100	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	82.4	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	94.0	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	98.8	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	108	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	101	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	110	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	108	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	108	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	110	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	105	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	112	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	103	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	116	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	124	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	128	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	113	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	114	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	118	69.8	131

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 3991158) - continued							
EP2113072-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	104	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	133	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	113	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	90.8	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 3991158)							
EP2113072-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	# 153	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	132	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	# 140	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	# 151	69.2	143

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2139572**	Page	: 1 of 9
Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Telephone	: +61-2-8784 8555
Project	: WPCA BCC - 0571466	Date Samples Received	: 02-Nov-2021
Site	: ----	Issue Date	: 08-Nov-2021
Sampler	: JACK EMBLEN	No. of samples received	: 4
Order number	: ----	No. of samples analysed	: 3

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, 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							
EP075A: Phenolic Compounds	QC-3991851-002	----	**2.4-Dimethylphenol**	105-67-9	117 %	13.7-108%	**Recovery greater than upper control limit**
EP075B: Polynuclear Aromatic Hydrocarbons	QC-3991851-002	----	**7.12-Dimethylbenz(a)anthracene**	57-97-6	124 %	48.1-106%	**Recovery greater than upper control limit**
Matrix Spike (MS) Recoveries							
EP231D: (n:2) Fluorotelomer Sulfonic Acids	EP2113072--001	Anonymous	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	757124-72-4	153 %	62.0-145%	**Recovery greater than upper data quality objective**
EP231D: (n:2) Fluorotelomer Sulfonic Acids	EP2113072--001	Anonymous	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	39108-34-4	140 %	65.0-137%	**Recovery greater than upper data quality objective**
EP231D: (n:2) Fluorotelomer Sulfonic Acids	EP2113072--001	Anonymous	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	120226-60-0	151 %	69.2-143%	**Recovery greater than upper data quality objective**

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)								
1B_20211027_T01,	1B_20211027_T03	**27-Oct-2021**	**----**	----	----	**03-Nov-2021**	10-Nov-2021	✓
EG005(ED093)T: Total Metals by ICP-AES								
Soil Glass Jar - Unpreserved (EG005T)								
1B_20211027_T01,	1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	25-Apr-2022	✓	**05-Nov-2021**	25-Apr-2022	✓
EG035T: Total Recoverable Mercury by FIMS								
Soil Glass Jar - Unpreserved (EG035T)								
1B_20211027_T01,	1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	24-Nov-2021	✓	**05-Nov-2021**	24-Nov-2021	✓
EP068A: Organochlorine Pesticides (OC)								
Soil Glass Jar - Unpreserved (EP068)								
1B_20211027_T01,	1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓

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
EP068B: Organophosphorus Pesticides (OP)							
Soil Glass Jar - Unpreserved (EP068) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP074) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	03-Nov-2021	✓	**03-Nov-2021**	03-Nov-2021	✓
EP074B: Oxygenated Compounds							
Soil Glass Jar - Unpreserved (EP074) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	03-Nov-2021	✓	**03-Nov-2021**	03-Nov-2021	✓
EP074C: Sulfonated Compounds							
Soil Glass Jar - Unpreserved (EP074) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	03-Nov-2021	✓	**03-Nov-2021**	03-Nov-2021	✓
EP074D: Fumigants							
Soil Glass Jar - Unpreserved (EP074) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	03-Nov-2021	✓	**03-Nov-2021**	03-Nov-2021	✓
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved (EP074) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	03-Nov-2021	✓	**03-Nov-2021**	03-Nov-2021	✓
EP074F: Halogenated Aromatic Compounds							
Soil Glass Jar - Unpreserved (EP074) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	03-Nov-2021	✓	**03-Nov-2021**	03-Nov-2021	✓
EP074G: Trihalomethanes							
Soil Glass Jar - Unpreserved (EP074) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	03-Nov-2021	✓	**03-Nov-2021**	03-Nov-2021	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM)) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075C: Phthalate Esters							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075D: Nitrosamines							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓

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
EP075E: Nitroaromatics and Ketones							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075F: Haloethers							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075G: Chlorinated Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075H: Anilines and Benzidines							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075I: Organochlorine Pesticides							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP075J: Organophosphorus Pesticides							
Soil Glass Jar - Unpreserved (EP075) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP080) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	10-Nov-2021	✓	**03-Nov-2021**	10-Nov-2021	✓
Soil Glass Jar - Unpreserved (EP071) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Soil Glass Jar - Unpreserved (EP080) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	10-Nov-2021	✓	**03-Nov-2021**	10-Nov-2021	✓
Soil Glass Jar - Unpreserved (EP071) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**04-Nov-2021**	10-Nov-2021	✓	**05-Nov-2021**	14-Dec-2021	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved (EP080) 1B_20211027_T01, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	10-Nov-2021	✓	**03-Nov-2021**	10-Nov-2021	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 1B_20211027_T01, 1B_20211027_T02, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	25-Apr-2022	✓	**03-Nov-2021**	13-Dec-2021	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 1B_20211027_T01, 1B_20211027_T02, 1B_20211027_T03	**27-Oct-2021**	**03-Nov-2021**	25-Apr-2022	✓	**03-Nov-2021**	13-Dec-2021	✓

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
EP231C: Perfluoroalkyl Sulfonamides								
HDPE Soil Jar (EP231X) 1B_20211027_T01, 1B_20211027_T03	1B_20211027_T02,	**27-Oct-2021**	**03-Nov-2021**	25-Apr-2022	✓	**03-Nov-2021**	13-Dec-2021	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE Soil Jar (EP231X) 1B_20211027_T01, 1B_20211027_T03	1B_20211027_T02,	**27-Oct-2021**	**03-Nov-2021**	25-Apr-2022	✓	**03-Nov-2021**	13-Dec-2021	✓
EP231P: PFAS Sums								
HDPE Soil Jar (EP231X) 1B_20211027_T01, 1B_20211027_T03	1B_20211027_T02,	**27-Oct-2021**	**03-Nov-2021**	25-Apr-2022	✓	**03-Nov-2021**	13-Dec-2021	✓

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	2	8	25.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	2	50.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Semivolatile Organic Compounds	EP075	1	2	50.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	2	12	16.67	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	2	12	16.67	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	10	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	2	50.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	2	50.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	2	50.00	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 Mercury by FIMS	EG035T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	10	10.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	2	50.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	2	50.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	2	50.00	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 Mercury by FIMS	EG035T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	10	10.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	2	50.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	2	50.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	2	50.00	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 Mercury by FIMS	EG035T	1	12	8.33	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							
Total Metals by ICP-AES	EG005T	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	2	**50.00**	**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 AS 3550, 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)
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 LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions

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.

Environmental Division
Sydney
Work Order Reference
ES2139572

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Telephone : + 61-2-8784 8555

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Ph...
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an 'A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: Mob:
Email: nicholas.grbich@erm.com, ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
PO No.:
Envirolab Quote No. :
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample Information / Tests Required / Comments

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**	BTEX												Provide as much information about the sample as you can
	TP167_0.3		27/20/2021	SOIL		X													*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	TP171_0.1		27/20/2021	SOIL	X														
	TP171_0.3		27/20/2021	SOIL		X													
	TP172_0.1		27/20/2021	SOIL	X														
	TP172_0.3		27/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	TP170_0.1		27/20/2021	SOIL	X														
	TP170_0.3		27/20/2021	SOIL		X													
	TP165_0.1		27/20/2021	SOIL	X														
	TP165_0.3		27/20/2021	SOIL		X													
	TP166_0.1		27/20/2021	SOIL	X														
	TP166_0.3		27/20/2021	SOIL		X													
	TP160_0.3		27/20/2021	SOIL		X													
	1B_20211027_D01					X													
	1B_20211027_D02					X													
	1B_20211027_D03					X													
	1B_20211027_D04					X													
1	1B_20211027_T01			WATER		X													PLEASE SEND TO ALS
2	1B_20211027_T02					X													PLEASE SEND TO ALS
3	1B_20211027_T03					X													PLEASE SEND TO ALS
5 NR → 4	1B_20211027_T04					X													PLEASE SEND TO ALS
	TS/TB						X												

Relinquished by (Company): ERM
Print Name: JACK EMBLEN
Date & Time:
Signature:

Received by (Company):
Print Name: Wand
Date & Time: 27/10 2/11/21 3pm
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: (If applicable)
Transported by: Hand delivered / courier

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an 'A' indicates Asbestos is also needed.

Client: ERM Services Australia
Contact Person:
Project Mgr: Nicholas Grbich
Sampler: Jack Emblen
Address: 11/277 Lane Cove Rd, Macquarie Park 2113
Phone: **Mob:**
Email: nicholas.grbich@erm.com, Ian.batterley@erm.com, jack.emblen@erm.com

Client Project Name / Number / Site etc: WPCA BCC - 0571466
PO No.:
Envirolab Quote No.:
Date results required: Standard
Or choose:
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample Information / **Tests Required** / **Comments**

Envirolab Sample ID	Client Sample ID or Information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**	BTEX												Provide as much information about the sample as you can
	1B_TP21_0.1		26/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_TP21_0.3		26/20/2021	SOIL		X													
	1B_TP61_0.1		26/20/2021	SOIL	X														
	1B_20211026_D01		26/20/2021	SOIL		X													
	1B_20211026_D02		26/20/2021	SOIL		X													**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs/VOCs/heavy metals (8)/OCP/OPP
	1B_20211026_T01		26/20/2021	SOIL		X													
	1B_20211026_T02		26/20/2021	SOIL		X													
	TS/TB		26/20/2021	WATER			X												
	1B_20211026_R01		26/20/2021	WATER		X													
																			PLEASE SEND TO ALS
																			PLEASE SEND TO ALS

Relinquished by (Company): ERM
Print Name:
Date & Time:
Signature:

Received by (Company):
Print Name: RP
Date & Time: 27/10
Signature:

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: (if applicable)
Transported by: Hand delivered / courier

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Combo1=TRH/BTEX/Pb
Combo2=TRH/BTEX/PAH/Pb
Combo3=TRH/BTEX/PAH/Met
Combo4=TRH/BTEX/PAH/Met/Phen
Combo5=TRH/BTEX/PAH/OC/PCB/Met
Combo6=TRH/BTEX/PAH/OC/OP/PCB/Met
Combo7=TRH/BTEX/PAH/OC/PCB/Met/Phen
Combo8=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen
Combo9=TRH/BTEX/PAH/OC/PCB/Met/Phen/CN
Combo10=TRH/BTEX/PAH/OC/OP/PCB/Met/Phen/CN
Combo11=TRH/BTEX/PAH/OC/PCB/12met/Phen/CN
Combo12=TRH/BTEX/PAH/OC/PCB/Met/TCLP-PAH ,6 Met
Combo13=TRH/BTEX/PAH/OC/OP/PCB/Met/TCLP-PAH ,6Met

A Combo with an 'A' indicates Asbestos is also needed.

Client: ERM Services Australia	Client Project Name / Number / Site etc (ie report title): WPCA BCC - 0571466
Contact Person:	
Project Mgr: Nicholas Grbich	PO No.:
Sampler: Jack Emblen	Envirolab Quote No. :
Address: 11/277 Lane Cove Rd, Macquarie Park 2113	Date results required: Standard Or choose: *Note: Inform lab in advance if urgent turnaround is required - surcharges apply*
Phone: Mob:	Report format: esdat / equis /
Email: nicholas.grbich@erm.com, ian.batterley@erm.com, jack.emblen@erm.com	Lab Comments:

Sample Information / Tests Required / Comments

Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	Solid suite A*	Solid Suite B**													Provide as much information about the sample as you can
	1B_TP20_0.1		27/20/2021	SOIL	X														*Solid suite A = Asbestos, PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP20_0.4		27/20/2021	SOIL		X													
	1B_TP15_0.1		27/20/2021	SOIL	X														
	1B_TP15_0.4		27/20/2021	SOIL		X													
	1B_TP16_0.1		27/20/2021	SOIL	X														**Solid suite B = PFAS, TRH/BTEX/PAHs/SOVCs /VOCs/heavy metals (8)/OCP/OPP
	1B_TP16_0.4		27/20/2021	SOIL		X													
	1B_TP17_0.1		27/20/2021	SOIL	X														
	1B_TP17_0.4		27/20/2021	SOIL		X													
	1B_TP18_0.1		27/20/2021	SOIL	X														
	1B_TP18_0.4		27/20/2021	SOIL		X													
	1B_TP12_0.1		27/20/2021	SOIL	X														
	1B_TP12_0.3		27/20/2021	SOIL		X													
	1B_TP11_0.1		27/20/2021	SOIL	X														
	1B_TP11_0.3		27/20/2021	SOIL		X													

Relinquished by (Company): ERM	Received by (Company): Envirolab	*Lab use only:*
Print Name JACK EMBLEN	Print Name: [illegible]	Samples Received: Cool or Ambient (circle one)
Date & Time 26/10/21 17:00	Date & Time: 26/10/21 2:55pm	Temperature Received at: 10.1°C (if applicable)
Signature:	Signature:	Transported by: Hand delivered / courier

White - Lab copy / Blue - Client copy / Pink - Retain in Book

ALS Environmental

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2204594**

Client	: **ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)**	Laboratory	: Environmental Division Sydney
Contact	: NICHOLAS GRBICH	Contact	: Customer Services ES
Address	: LEVEL 15 309 KENT STREET SYDNEY NSW AUSTRALIA 2000	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: nicholas.grbich@erm.com	E-mail	: ALSEnviro.Sydney@ALSGlobal.com
Telephone	: ----	Telephone	: +61-2-8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: 0571466	Page	: 1 of 3
Order number	: ----	Quote number	: EP2020ENVRES0018 (EN/114)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: ----		
Sampler	:		

Dates

Date Samples Received	: 10-Feb-2022 14:00	Issue Date	: 11-Feb-2022
Client Requested Due Date	: 17-Feb-2022	Scheduled Reporting Date	: **17-Feb-2022**

Delivery Details

Mode of Delivery	: Client Drop Off	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 13.9'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.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- 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 (28 analytes)
ES2204594-002	09-Feb-2022 00:00	20220209_T02	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (28 analytes)	WATER - W-12 OC/OP Pesticides	WATER - W-23 minus BTEX SVOC/VOC without BTEX	WATER - W-26T TRH/BTEXN/PAH/Total 8 Metals
ES2204594-001	09-Feb-2022 00:00	20220209_T01	✓	✓	✓	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	au.accounts@erm.com

JACK EMBLEN

- *AU Certificate of Analysis - NATA (COA)	Email	jack.emblen@erm.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jack.emblen@erm.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jack.emblen@erm.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jack.emblen@erm.com
- Chain of Custody (CoC) (COC)	Email	jack.emblen@erm.com
- EDI Format - ENMRG (ENMRG)	Email	jack.emblen@erm.com
- EDI Format - EQUIS V5 ERM (EQUIS_V5_ERM)	Email	jack.emblen@erm.com
- EDI Format - ESDAT (ESDAT)	Email	jack.emblen@erm.com

NICHOLAS GRBICH

- *AU Certificate of Analysis - NATA (COA)	Email	nicholas.grbich@erm.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	nicholas.grbich@erm.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	nicholas.grbich@erm.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	nicholas.grbich@erm.com
- A4 - AU Tax Invoice (INV)	Email	nicholas.grbich@erm.com
- Chain of Custody (CoC) (COC)	Email	nicholas.grbich@erm.com
- EDI Format - ENMRG (ENMRG)	Email	nicholas.grbich@erm.com
- EDI Format - EQUIS V5 ERM (EQUIS_V5_ERM)	Email	nicholas.grbich@erm.com
- EDI Format - ESDAT (ESDAT)	Email	nicholas.grbich@erm.com

eurofins | mgt ERM

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Email: EnviroSampleVic@eurofins.com.au

CHAIN OF CUSTODY RECORD

Company Name*: Environmental Resources Management (ERM)
Office Address*: Level 15, 309 Kent Street, Sydney NSW 2000

Contact Name*: Jack Emblen
Project Manager: N. Gerbich
Email for Results*: ~~Russell.Jarman@erm.com~~; Jack.emblen@erm.com
Nicholas.Gerbich@erm.com

Purchase Order:
Project Number: 0571466
Project Name:

COC Number:
Quote ID*:
Data Output Format*: Excel

Special Directions & Comments:

~~Eurofins | mgt DI Water Batch Number:~~

Analytes*:

	Sample ID*	Date:	Matrix*:	PFAS	TRH	PAH	BTEX	VOCs	SVOCs	Metals (8)	OCP/OPP
1	ALIB_MW01		W	✓	✓	✓	✓	✓	✓	✓	✓
2	" "_MW03			✓	✓	✓	✓	✓	✓	✓	✓
3	" "_MW04			✓	✓	✓	✓	✓	✓	✓	✓
4	" "_MW05			✓	✓	✓	✓	✓	✓	✓	✓
5	" "_MW06			✓	✓	✓	✓	✓	✓	✓	✓
6	" "_SE01		S	✓							
7	" "_SE02			✓							
8	" "_SE03			✓							
9	" "_SE04			✓							
10	20220209_D01		W	✓	✓	✓	✓	✓	✓	✓	✓
11	20220209_D02		S	✓							
12	20220209_R01		W	✓	✓	✓	✓	✓	✓	✓	✓
13	TS/TB		W				✓				
14	20220209_T01	1	W	✓	✓	✓	✓	✓	✓	✓	✓
15	20220209_T02	2	S	✓							
16											

Some common holding times (with correct preservation) - For further information contact the lab

Waters		Soils	
BTEX, MAH, VOC	14 days	BTEX, MAH, VOC	14 days
TRH, PAH, Phenols, Pesticides	7 days	TRH, PAH, Phenols, Pesticides	14 days
Heavy Metals	6 months	Heavy Metals	6 months
Mercury, CrVI	28 days	Mercury, CrVI	28 days
Microbiological testing	24 hours	Microbiological testing	72 hours
BOD, Nitrate, Nitrite, Total N	2 days	Anions	28 days
Solids - TSS, TDS etc	7 days	SPOCAS, pH Field and FOX, CrS	~~24 hours~~
Ferrous iron	7 days	ASLP, TCLP	7 days

Containers*:

500P	250P	125P	200A	40mL vial	500 PFAS	Comments
						SEND TO ALS
						SEND TO ALS

Environmental Division
Sydney
Work Order Reference
ES2204594
Telephone: +61-2-8784 8555

Relinquished By*: Jack Emblen
Date & Time*: 9.2.22 14:45
Signature*:

Laboratory Staff
Received By: A. Sinharage
Date & Time: 09/02/22 2:48 PM
Signature:

Turn Around Time:
☐ 1 DAY ☐ 2 DAY ☐ 3 DAY
☑ 5 DAY ☐ 10 DAY
☐ Other:

Method Of Shipment:
☐ Hand Delivered
☐ Courier
Courier Consignment #:

Temperature on Arrival: 3.1
Report Number: #861 777

Rec - Sosthio 10/2/22 1400 13°C

APPENDIX G PROJECT QAQC ASSESSMENT

Appendix G Project QAQC Assessment

The objective of this data assessment is to evaluate the quality of data gathered during the project. This process has been undertaken to assess whether the sample data is of a suitable standard to be utilised in this report. The data assessment consists of comparing field and laboratory QA/QC results to documented NEPM, ANZECC, USEPA SW-846 guidelines, USEPA CLP National Functional Guidelines for Inorganic and Organic Data Review, and other internationally recognised publications. The data assessment has been prepared in accordance with the NEPC (2013) *National Environmental Protection (Assessment of Site Contamination) Measure 1999* and Australian Capital Territory (1997) Environment Protection Act 1997 and the ACT EPA (2017) Contaminated Sites Environment Protection Policy (December 2017). Particular reference is made to the PARCC parameters (precision, accuracy, representativeness, completeness and comparability) in evaluating the data quality.

Table G.1 presents the degree of QA/QC pertinent to the field investigations.

Table G.2 presents the degree of QA/QC pertinent to the laboratory program.

The data quality indicators of precision, accuracy, representativeness, comparability and completeness have been assessed as shown in *Table 7.4*.

Table G.1 Field QA/QC Assessment

QA/QC Criterion	Comments
QA/QC program includes replicate samples	In order to demonstrate the suitability of the soil samples and water samples analysed, field quality control samples were collected throughout the soil and water investigation scope. Out of the 131 primary soil samples analysed, 4 intra-laboratory duplicates were collected, and 5 inter-laboratory duplicates were collected, at a rate of 1:32.75 and 1:26.2 respectively. Out of 5 primary groundwater samples analysed, one inter laboratory duplicate sample and one intra laboratory duplicate sample were taken at a rate of 1:5. Out of 4 primary sediment samples collected one inter laboratory duplicate sample and one intra laboratory duplicate sample were taken at a rate of 1:4. ERM note that while the inter and intra-laboratory duplicate rate for soil sampling is significantly higher than the targeted 1:20 ratio these sampling works were conducted as part of a wider site investigation and the replicate sampling program for the overall site should achieve a satisfactory ratio of primary to duplicate samples. The rate of duplicate sampling during both the soil and water investigation scope therefore does comply with the QAQC requirements of the SAQP (1:20 for intra-laboratory and 1:20 for inter-laboratory duplicates). Review of the Relative Percent Difference (RPD) calculated between primary, duplicate and triplicate samples for both soil and groundwater indicates that generally, RPD results were reported within acceptable limits (30%) with an exception for the exceedances highlighted Tables 7 – 8a. RPD results where the samples exceeded screening criteria is likely due to the natural variability within the materials sampled and / or proximity to LOR. It is considered that, overall, the outlying RPD results are likely due to the natural variability within the materials sampled. In some instances, the parent sample reported a resulted below the adopted screening criteria and the duplicate sample above adopted screening criteria however both the parent and duplicate samples have been presented in the results summary.

QA/QC Criterion	Comments
	On the basis of the above rationale, exceedances of RPD based limits are not considered to affect the overall quality of the dataset or the ability to meet the objectives of the investigation.
All relevant media assessed	Soil and groundwater samples were collected as part of the sampling strategy. Assessment of these media are considered appropriate to achieve the objectives of the investigation.
Appropriateness of sampling strategy	The sampling strategy (including depths and locations) was considered appropriate. A figure was presented showing the sampling locations. The spatial distribution of the samples was grid base across the site. Where point sources of potential contamination are identified, judgemental / targeted sampling was adopted – i.e around the site access roads.
Sample collection, handling and transportation procedures.	Samples were collected, handled and transported following ERM standard operating procedures.
Sampling is representative of site conditions	The number and type of samples collected as part of the characterisation works was considered to be representative of the area of concern. A total of 65 soil investigation locations were completed. Samples collected were of representative strata (fill and natural) identified during subsurface works. Groundwater was collected from five monitoring wells installed as part of the investigation to facilitate a representative dataset of the water bearing unit at the Site.
Field QA/QC plan	Soil samples from soil bores were collected either from a hand auger, or from excavated material following placement by an excavator. Soil samples from test pits were collected from the centre of the material to avoid cross-contamination from the excavator bucket. Sediment samples were collected using a hand trowel. Soil samples were placed in laboratory supplied sample jars, stored in a cool box, and forwarded to the NATA accredited laboratory under COC conditions. The methods used to collect the samples, the types of sample containers, preservation techniques and custody protocols were documented appropriately. Decontamination procedures were implemented between collection of samples. Clean, disposable nitrile gloves were utilised between sampling locations. Groundwater samples were collected using disposable hydrasleeve samplers. All non-dedicated sampling equipment was decontaminated between sampling locations where designated disposable materials are not used. Where possible, decontamination procedures were generally as follows: All non-dedicated equipment will be decontaminated as follows: ▪ all loose soil removed with a wire brush; ▪ washed in potable (tap) water and brush scrubbing using tap water and a non-phosphate / PFAS free detergent (Decon 90 / Liquinox respectively) and deionised water; ▪ rinsed with water; and ▪ air dried. Rinsate blanks were collected from non-disposable sampling equipment (hand auger, solid flight auger and interface probe) to demonstrate efficacy of the decontamination procedures during sampling of soil and groundwater. The results of the rinsate blank samples are contained as presented in Table 9; concentrations of all analytes for both soil and water investigations were reported

QA/QC Criterion	Comments
	below the laboratory limits of reporting (LORs). Field QA/QC measures were considered appropriate to minimise cross-contamination between samples. Trip blank and Trip spikes samples were collected as part of this investigation and results are presented in Table 9 and 10. All COPCs were reported below the laboratory LOR, indicating low likelihood of cross-contamination. Background samples were not collected as part of this investigation as a review of geological information and site land use history did not indicate the likely presence of elevated background concentrations of the COPCs in soil on the Site. Trip spike recoveries were acceptable indicating no unacceptable loss of volatiles in storage and transport of samples. Field instruments used as part of this investigation were appropriately calibrated and used according to the manufacturer's instructions.

Table G.2 Laboratory QA/QC Assessment

QA/QC Criterion	Comments
Appropriate methodologies used for sample analyses	The laboratories used for the investigation works were Eurofins (NATA Accreditation No. 1261, Site Number 18217) and NATA accredited ALS Environmental (NATA Accreditation No.825, Site No. 10911). All methodologies were considered appropriate for the identified contaminants of concern in the matrix. Statistical data presented in the laboratory QA/QC report was considered adequate in demonstrating the precision and accuracy of the methods used to analyse field samples.
Appropriate practical quantitation limits (PQLs)	PQLs for each analyte are presented in the laboratory reports. All sample results were reported with PQLs below the site assessment criteria where practicable.
Laboratory QA/QC plan	ALS and Eurofins have provided the following quality assurance data: ▪ NATA approval for analyses undertaken; ▪ Sample receipt confirmation; ▪ Method blanks; ▪ Laboratory duplicates; ▪ Limits of reporting; ▪ Matrix spikes; ▪ Surrogate recovery; and ▪ Quality control sample frequency. Laboratory quality control samples included laboratory control samples, internal duplicates, matrix spikes and method blanks. The types of QA/QC samples analysed by the laboratory for the documented samples were considered sufficient to assess the precision and accuracy of the laboratory methods used. The statistical data presented in the laboratory QA/QC report was considered adequate in demonstrating the precision and accuracy of the methods used to analyse field samples. Laboratory duplicate RPDs were generally within the acceptable ranges, with the exception of 3 RPDs which were reported above the acceptable limits. Laboratory surrogates and matrix spikes were generally acceptable, with the exception of those listed in Table 12. In summary, the types of QA/QC samples analysed by the laboratory are considered sufficient to assess the precision and accuracy of the laboratory methods used. The statistical data presented in the laboratory QA/QC report is considered adequate in demonstrating the precision and accuracy of the

QA/QC Criterion	Comments
	methods used to analyse field samples. While laboratory QA/QC outliers are reported it is considered that 95% of data satisfy the DQIs.

Table G.3 Overall Sampling and Analysis Methodology Assessment

Field Considerations	Laboratory Considerations
Precision Requirements	
The investigation was conducted following ERM SAQP and any variations from these procedures were documented.	Analysis of the following were reported: • Laboratory and inter-laboratory duplicates; • Field duplicates; • Rinsate samples
Precision Comments	
No significant variations from the ERM SAQP and SOP were noted. Field inter-laboratory and intra-laboratory duplicates were generally reported within the acceptance limits with the exception of those noted above, and all data is presented in summary tables for comparison.	
Accuracy Requirements	
The investigation was conducted following ERM SOPs and any variations from these procedures were documented.	Analysis of the following were reported: • Trip blanks; • Rinsate blanks; • Method blanks; • Matrix spikes; • Surrogate spikes; • Laboratory control samples
Accuracy Comments	
Rinsate blanks were collected on days where soil sampling was conducted via hand auger or trowel. Rinsate samples were not collected and evaluated where soil sampling was conducted from the centre of the excavator bucket during test pitting, due to minimal potential for cross-contamination to occur via this methodology. No significant variations from ERM SOPs were noted. Laboratory QA/QC samples were generally reported within the acceptance limits specified in the laboratory reports. Minor exceedances were noted	
Representativeness Requirements	
Appropriate media were identified and sampled according to the SAQP.	All samples were analysed according to the SAQP.
Representativeness Comments	

Field Considerations	Laboratory Considerations
The number and type of samples collected as part of investigation works was considered to be representative of the identified areas of concern. The number and locations of boreholes and wells was generally in accordance with the workplan outlined in the SAQP (ERM, 2021b), with deviations from the scope identified within the DSI report body Despite these alternations, ERM considers that sufficient data is available to establish a representative dataset across the project for the purposes of the investigation.	
Comparability Requirements	
The SAQP and comparable sampling methods were implemented throughout the course of this investigation, and all field works were conducted by appropriately qualified and experienced personnel. Impacts of climatic conditions on sample integrity were minimised by storing samples in a chilled cooler.	The laboratory LOR for each analyte is presented in the laboratory reports and summary tables. Generally, sample results were reported with LORs below the relevant site screening criteria. The exceptions for this are presented in the results summary tables. Overall, instances of a LOR not conforming to the screening criteria are not considered to materially influence the reported conclusions.
Comparability Comments	
No significant outliers from the requirements were noted	
Completeness Requirements	
All relevant locations were sampled, with the exception of two locations noted within the DSI report. The sampling program was conducted following the SAQP, and any variations from these procedures were documented as appropriate. Documentation of field works is provided	No samples were broken during transport Analytes were generally analysed according to the SAQP. Appropriate analysis methods and laboratory LORs were used. Sample documentation was provided. Sample holding times were generally complied with.
Completeness Comments	
The specified requirements for completeness of the dataset were met. The quality of the dataset and overall outcomes of the investigation remain unaffected by the noted RPD and laboratory QA/QC outliers and is considered suitable for the purposes of this investigation.	

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