DETAILED SITE CONTAMINATION INVESTIGATION

for

PROPOSED TOWNHOUSE DEVELOPMENT, FLEET STREET SALAMANDER BAY, NSW

for

WANDA BEACH ESTATE PTY LTD.

Project No. 254833.DSI. Rev A

26th of October 2025

EXECUTIVE SUMMARY

DRB Consulting Engineers (DRB) was engaged by Wanda Beach Estate Pty Ltd. (Wanda Beach) to undertake a Detailed Site Investigation (DSI) at 4 Fleet Street, Salamander Bay to address data gaps identified in a previous Preliminary Site Investigation and to assess contamination risks associated with the proposed development of 30 townhouses.

The DSI involved intrusive soil sampling, stockpile assessment, and delineation of potential hotspots to confirm the presence, nature, and extent of contamination. The investigation identified that:

- General fill materials are largely suitable for residential land use.
- A localised 23 m^2 area in the north-eastern corner of the Site (BH17-0.1) contained elevated benzo(a)pyrene (as BaP TEQ) associated with asphaltic fill from historical roadworks. The small volume (≈3 – 5 m^3), peripheral location and low leachability presents minimal risk to human health or the environment.
- Apart from this area, all contaminants of potential concern were below relevant health and ecological criteria, except for minor TRH F3 exceedances in two stockpiles (SP3 and SP5) linked to asphaltic inclusions.
- No asbestos-containing material or other significant contaminants were detected.
- Waste classification shows most soils are General Solid Waste (CT1); only the BH17-0.1 material classifies as Restricted Solid Waste (RSW).

The identified BaP-impacted material will be managed under a Contaminated Land Management Plan (CLMP) prepared for the development. The CLMP will:

- Document the location and extent of the impacted area.
- Provide procedures for safe removal and validation during earthworks.
- Define management responsibilities and validation criteria; and
- Include a validation letter, prepared by a Certified Environmental Practitioner – Site Contamination Specialist (CEnvP-SC), confirming that residual risks are low and the area is suitable for its intended landscaped verge use.

Stockpiles SP3 and SP5 may be reused onsite in pavement or sub-base layers where encapsulated. Soils classified as CT1 may be reused or disposed of to a licensed facility; RSW material must be removed to an appropriately licensed landfill.

Based on the findings of this DSI, and subject to implementation of the recommended management works for the BaP-impacted area at BH17, the Site is considered suitable for the proposed multi-unit (townhouse) residential development. No further investigation will be required once the CLMP measures have been completed and verified by a CEnvP-SC, consistent with the relevant and current legislative framework.

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1 INTRODUCTION

DRB Consulting Engineers (DRB) was engaged by Wanda Beach Estate Pty Ltd. (Wanda Beach) to undertake a Detailed Site Investigation (DSI) within 4 Fleet Street, Salamander Bay (the Property). The purpose of the DSI was to assess contamination risks and address data gaps identified in a Preliminary Site Investigation (PSI) completed to support the development of 30 townhouses within a section of the Property defined as the Site.

The location and layout of the Site are provided in figures included in Appendix A. The Site is identified in Figure 1-1 below.

Figure 1-1: Approximate location of the Site (investigation area bordered in red)

This DSI follows the recommendations of the *Preliminary Site Contamination Investigation, Proposed Townhouse Development, Fleet Street, Salamander Bay, NSW (254833.PSI.Rev A), dated 18 August 2025* (DRB, 2025). The PSI comprised a desktop review and reconnaissance site inspection, completed without intrusive sampling, to provide an initial appraisal of contamination issues relevant to the proposed development.

The PSI identified several potential contamination sources associated with the historical use of the Property as a self-catered retreat complex, which included cabins, a conference centre, recreational facilities, and associated infrastructure. Observations confirmed the presence of:

- Heterogeneous surface fill and stockpiles.
- Demolition debris and asphaltic stockpiles.
- A backfilled saltwater pool.

These features represent potential sources of contamination. Based on site history and observations, Contaminants of Potential Concern (COPC) were identified to include heavy metals, hydrocarbons (TRH/BTEX),

PAHs, phenols, pesticides, salinity, asbestos, CCA-treated timber residues, refrigerants, and PCBs.

The PSI concluded that complete exposure pathways may exist for construction workers, future residents, neighbouring properties, groundwater, and surface water receptors. As a result, further intrusive investigation was recommended to define contamination risks and inform appropriate management strategies.

The purpose of this DSI is to quantify and characterise potential contamination risks related to soil and groundwater contamination at the Site through intrusive sampling and laboratory analysis. The DSI is designed to:

- Confirm the presence, nature, and extent of contamination associated with identified sources.
- Assess risks to human health and the environment under the proposed residential land use.
- Provide data to classify waste materials (including existing soil stockpiles) for lawful offsite disposal or reuse.
- Screen soils for asbestos and other contaminants of concern.
- Develop recommendations for remediation, validation, and ongoing management, where required.

The DSI has been completed to inform the development application process and provide an opinion on the suitability of the Site for the proposed townhouse development. The DSI was conducted with reference to the following legislation and guidelines:

- *Contaminated Land Management Act 1997* (CLM Act)
- *Protection of the Environment Operations Act 1997 No 156* (POEO Act)
- *State Environmental Planning Policy No 55 – Remediation of Land* (Planning Guidelines).
- *Chapter 4, State Environmental Planning Policy (Resilience and Hazards) 2021* (SEPP R&H).
- *NSW EPA (2020) Consultants Reporting on Contaminated Land Guidelines* (CRCL).
- *Schedule B2 of the National Environmental Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)* (ASC NEPM).

Soil data was compared to the relevant guideline values related to a low-density residential exposure scenario as per the ASC NEPM.

1.1 OBJECTIVES

The objectives of the DSI are to:

- Assess the contamination status of the Site related to the identified AEC and associated COPC.
- Refine and update the preliminary CSM presented in DRB, 2025.
- Provide an opinion on the suitability of the Site for the proposed townhouse development.
- Provide recommendations for further assessment and / or remediation and management, as required.
- Prepare a report outlining the outcomes of the DSI and provide recommendations for further investigation, remedial works and/ or management, as required.

1.2 SCOPE OF WORK

The scope of works undertaken to meet the objectives incudes:

- A site walkover was conducted on the 22nd of September 2025 to confirm site conditions and identify sampling locations prior to the commencement of field work.
- A Sampling and Analysis Quality Plan (SAQP) was prepared to guide the intrusive assessment works.
- The SAQP was informed by DRB, 2025, the site walkover, and relevant guidelines and standards.
- The SAQP included:
    - Background information, project objectives, and rationale for the selected approach.
    - A summary of identified Areas of Environmental Concern (AECs), Contaminants of Potential Concern

(COPCs), and the Conceptual Site Model.
  - Data Quality Objectives (DQOs) and Data Quality Indicators (DQIs) relevant to the Site.
  - A flexible sampling plan accommodating changes during the field program.
  - Methodologies for sampling and analysis of soil and groundwater.
  - Quality assurance/quality control (QA/QC) procedures.
  - Applicable Site Assessment Criteria (SACs) for contaminant comparison.

- The SAQP is integrated into the DSI report.
- Prior to commencing intrusive works, service clearance activities included:
  - Discussions with Wanda Beach for known service infrastructure within the site.
  - Review of Before You Dig Australia (BYDA) data.
  - Note: Underground service location via electronic detection was not included as the areas were sufficient derisked prior to commencement of works.

- A total of 22 test pit locations were investigated across the Site.
- A total of 40 samples were collected from five stockpiles of soil identified within the Site.
- Sampling typically targeted surface soils (0 – 0.2 metres below ground surface (m bgs)) and where possible, a deeper sample collected prior to refusal on shallow rock.
- Samples were submitted for laboratory analysis as per the SAQP.
- Test pits were excavated using a combination of test pits excavated using a 5.5-tonne excavator and a hand pick in areas where the risk of striking sub-surface utilities or access by excavator was not possible.
- Soil from test pits were typically logged to depths shallower than 1.0 metre below ground surface (m bgs) given the presence of shallow rock in the subsurface profile.
- Test pits were logged in accordance with *AS 1726:2017 – Geotechnical Site Investigations*.
- Quantitative asbestos analysis was conducted on three surface test pit fill samples.
- Delineation of a benzo(a)pyrene impacted area was completed. An additional eight samples were collected from 0 – 0.1 m bgs and analysed during this exercise.
- Test pits were backfilled using excavated spoil, compacted, and levelled to match surrounding conditions, ensuring site safety.
- Soil samples were submitted to NATA-accredited laboratories for analysis in accordance with the SAQP.

2 SITE DETAILS

Key site identification, layout, history and environmental setting information has been summarised in the following sections, based on DRB, 2025 and observations made during a site walkover completed by DRB prior to commencement of intrusive fieldworks. A Principal environmental scientist from DRB conducted the site walkover on the 22nd of September 2025, prior to sampling, with additional observations recorded during sampling events completed on the 24th of September 2025 and 15th of October 2025. Observations of the Site made during the walkovers are discussed in Section 2.4.

2.1 SITE IDENTIFICATION

Site identification information is provided in Table 2-1. The location of the Site is shown in Appendix A, Figure 1.

Table 2-1: Summary of Site Details

Site Address	4 Fleet Street, Salamander Bay NSW 2317
Site Cadastre	Parts Lot 1 and Lot 20 DP 285191 and Lot 2 DP 791551
Zoning	R2: Low Density Residential
Local Government Area	Port Stephens Council (Council)
Previous Land Use	Site historically formed part of the Colonial Ridge Retreat Hotel, with a salt-water pool, tennis courts and gardens.
Current Land Use	Within the proposed development site: Disused former retreat cabins and main conference building, storage of numerous fill stockpiles, solid wastes related to the former hotel operations Surrounding the proposed development site: Recently constructed town homes.
Proposed Land Use	30 town houses.
Adjoining site Uses	• North – New residential structures. Older structures including garages to the northeast. • South – Old Cabins north of Anchor Close. • East – Old cabin structures. New residences to the southeast (Inlet Close) • West – Vacant, cleared land, bushland further west.

2.2 SITE HISTORY

- The Site was historically part of the former Colonial Ridge Retreat, a self-catering cabin-based holiday facility.
- Site contained a large conference facility located to the west.
- A salt-water pool was located within the proposed development footprint.
- Following closure, the saltwater pool was decommissioned and backfilled.

2.3 SITE INFORMATION

A summary of information related to the Site is presented in Table 2-2. The information presented is primarily summarised from PE PSI (2024) with additional detail provided by DRB.

Table 2-2: Desktop Study

Soil landscape and Topography	The NSW Department of Planning eSpade Ver 2.2 online database[1] identifies the Site as being within the North Arm Cove Soil Landscape which occurs around North Arm Cove and Bundabah in the Coweambah Hills physiographic region on the northern side of Port Stephens. The landscape comprises undulating rises to rolling low hills developed on ignimbrites of the Nerong Volcanics, with associated toscanite, dacite, andesite, agglomerate, conglomerate, sandstone, and siltstone. Local relief is up to 50 m, with slope gradients generally less than 15%. Landforms include broad ridges and crests (typically over 200 m wide), smooth and gently inclined slopes of moderate length, and narrow drainage lines. Minor areas of steep slopes and narrow peaked crests occur, often with an uneven, boulder-strewn surface. Vegetation has been partially to extensively cleared, transitioning from Eucalypt–Angophora open forest to Eucalypt tall, closed forest. The Site is positioned on a flat, elevated plateau forming the upper surface of a ridgeline, with minimal surface undulation across the proposed development area. Pronounced decreases in elevation occur towards the Site boundaries, with steep gradients, particularly along the western boundary, leading to lower surrounding land. Adjacent properties, including both older and newer residential dwellings, are situated at elevations approximately 5 – 8 metres lower than the Site in some locations.
Hydrology and Surface Water	There were no local surface water features observed, with Salamander Bay located approximately 350m to the east of the Site. Rain falling on the site would largely infiltrate into the soil. Given the observed elevation of the Site above the surrounding landscape, surface water is expected to run off in the direction of slope (multiple given the position on a ridge).
Geology	Reference to the NSW Department of primary Industries and Regional Development, MinView online database[2], indicates that the Site is underlain by the Nerong Volcanics of the Myall Block, part of the New England Orogen. These rocks comprise predominantly ignimbrite interbedded with tuffaceous sandstone, with lesser occurrences of toscanite, dacite, and other volcanic lithologies. The dominant lithology is pyroclastic rock, deposited in a shallow marine–volcaniclastic environment during the Visean stage of the Carboniferous period (approximately 346.7 – 330.9 million years ago).
Acid Sulfate Soils	The NSW Department of Planning, Industry and Environment's eSPADE Version 2.2

[1] https://www.environment.nsw.gov.au/eSpade2Webapp/
[2] https://minview.geoscience.nsw.gov.au/#/?lon=148.5&lat=-32.5&z=7&l=

	online database does not identify the Site within acid sulfate soils (ASS) mapping. Further confirmation was obtained through a search of the NSW Planning Portal Spatial Viewer[3], which shows the Site is primarily mapped as Class 5 under the Port Stephens Local Environmental Plan (LEP) 2013. Under the LEP, Class 5 land requires development consent for: • Works within 500 metres of adjacent Class 1, 2, 3 or 4 land that is below 5 metres Australian Height Datum, and/or • Works likely to lower the water table below 1 metre Australian Height Datum on adjacent Class 1, 2, 3 or 4 land. Given the Site's elevation of approximately 17 metres Australian Height Datum (mAHD), the Class 5 development triggers do not apply. Accordingly, an Acid Sulfate Soils assessment or management plan is not considered necessary at this stage.
Naturally Occurring Asbestos	A search of the NSW Trade and Investment online Naturally Occurring Asbestos in NSW mapping[4] showed no naturally occurring asbestos areas within or near the Site.
Salinity	The NSW Department of Planning Industry and Environment eSpade Ver 2.2 online database identified no salinity data within the Site.
Hydrogeology	Groundwater beneath the Site would occur within and unconfined aquifer in fractured rock at depths greater than 5 m bgs. Groundwater would likely follow the local topography and flow to the east. A review of the Water NSW online All Groundwater Map[5] identified 2 groundwater wells within 500m of the Site. Groundwater search results are included Appendix C. A summary of the available data is as follows:

Bore ID	Registered Use	Standing Water level (m)	Final Depth (m)	Licence Status
GW055010	Domestic	No Data	7.60	Current
GW055188	Domestic	6	9	Converted

NSW EPA Contaminated Land Records	No contaminating activities occurring on the Site were identified in searches of contaminated land records as reported in DRB, 2025.
Review of Previous Assessment	*Preliminary Site Contamination Investigation, Proposed Townhouse Development, Fleet Street, Salamander Bay, NSW (254833.PSI.Rev A), dated 18 August 2025*

[3] https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/address
[4] https://trade.maps.arcgis.com/apps/PublicInformation/index.html?appid=87434b6ec7dd4aba8cb664d8e646fb06
[5] https://realtimedata.waternsw.com.au/water.stm

DRB, 2025 Objective	Assess contamination risks associated with the proposed 30-townhouse development.
Completed Scope	DRB, 2025 included a comprehensive desktop review, aerial imagery analysis, government and database searches, a site inspection, and development of a preliminary Conceptual Site Model (CSM).
Key Outcomes	Observed features of concern included heterogeneous fill, demolition waste, asphaltic stockpiles, and a backfilled saltwater pool were considered potential contamination sources. Based on site history and observations, contaminants of potential concern (COPC) were identified, including heavy metals, hydrocarbons, PAHs, phenols, pesticides, asbestos, salinity, CCA-treated timber residues, refrigerants, and PCBs.
Conclusions and Recommendations	• The PSI concluded that complete exposure pathways may exist for construction workers, future residents, neighbouring properties, and environmental receptors (groundwater and surface water). • A DSI was recommended, incorporating soil and fill sampling, waste classification, asbestos screening, and confirmatory testing of identified materials. • Implementation of an Unexpected Finds Protocol and lawful disposal of stockpiles were also advised. • The PSI determined that, subject to further investigation, remediation and/or management, the Site could be rendered suitable for the proposed residential use in accordance with the ASC NEPM.

2.4 SITE WALKOVER OBSERVATIONS

A site walkover was completed by Dr. Paul Wright, Principal Environmental Scientist within the Site on the 22nd and 24th of September 2025 and the 15th of October 2025. The observations including photographs taken during the walkover are summarised in Table 2-3. Photographs are included in Appendix B.

Table 2-3: Summary of Site Walkover Observations

General Observations	**September Fieldwork** • The surface condition was generally aligned with the observations reported in DRB, 2025. • Rock was typically < 0.5 m bgs across the Site (Photos 34, 35, 47, 49) • A total of five stockpiles (Figure 3, Appendix A) were identified and sampled. These included: ▪ SP1 – Comprising a mixture of soil and rock (Photos 1 – 8) ▪ SP2 – Comprising excavated rocks, soil and brick inclusions (Photos 9 – 18) ▪ SP3 – Road base materials with asphalt pieces (Photo 19) ▪ SP4 – Soils below a stockpile of demolition waste located outside the former conference centre (Photos 24 – 31) ▪ SP5 – asphaltic gravel pile located adjacent to SP3 (Photos 20 – 23) • The Site was generally covered with fill placed above natural rock. Fill possibly associated with cut to fill activities undertaken to level the ridge comprising the Site (Photos 44 – 51). BH07, BH08, BH09 were observed to contain fine yellow and black sands (Photos 32, 53). BH16 contained fine, yellow sands (Photo 61) • Fill typically comprised dark brown, clayey sands with significant rock and gravels mixed in (Photos 36, 37, 40, 41, 44, 45, 46, 27)

	• Deeper fill was identified within the location of the former pool (Photos 54, 55, 57) **October Fieldwork** • Grey gravel, rocks and dark brown sandy fill and gravel were observed in the north-eastern corner of the Site (Photos 1, 2, 6, 8, 20). • Asphalt and bound gravel pieces were observed in a north-south direction within the north-eastern corner (Photos 12, 13, 14, 15). • Impacted area was delineated in each cardinal direction (Photos 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 16, 17, 18, 19, 20).

3 PRELIMINARY CONCEPTUAL SITE MODEL

The preliminary CSM presented in DRB, 2025 is summarised in Table 3-1.

Table 3-1: Summary of Preliminary Conceptual Site Model (Source-Pathway-Receptor Summary)

Potential Source(s)	COPC	Potential Pathway(s)	Potential Receptor(s)	Exposure Pathway Completion	Comments
Fill of unknown origin and former operational impacts	Heavy metals, TRH, BTEX, phenols, PAH, OCP, OPP	Direct contact, ingestion, inhalation; leaching to groundwater; stormwater runoff to downslope areas	Future residents (adults/children), construction & maintenance workers, downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems	**Potentially complete**	Mixed fill materials observed including asphaltic materials, gravels, road base etc.
Mixed fill stockpiles (boulders, bricks, concrete, soils)	Heavy metals, TRH, BTEX, phenols, PAH	Direct contact, ingestion, inhalation; leaching to groundwater; stormwater runoff to downslope areas	Future residents (adults/children), construction & maintenance workers, downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems	**Potentially complete**	Large fill stockpiles observed over large areas; verification sampling needed to classify and assess management options (reuse, capping, off-site disposal).
Demolition waste from within former conference building (porcelain,	Heavy metals, TRH, BTEX, phenols, PAH,	Direct contact, ingestion, inhalation; leaching to groundwater;	Future residents (adults/children), construction & maintenance workers,	**Potentially complete**	Significant solid waste piles noted; segregation, hazardous building materials survey, and

Potential Source(s)	COPC	Potential Pathway(s)	Potential Receptor(s)	Exposure Pathway Completion	Comments
appliances, plastics, timber, metals)	PCB (low-likelihood), asbestos	stormwater runoff to downslope areas	downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems		waste classification required prior to earthworks.
Asphalt & asphaltic gravels stockpile (asphaltic odour noted)	PAHs, TRH	Direct contact, ingestion, inhalation; leaching to groundwater; stormwater runoff to downslope areas	Future residents (adults/children), construction & maintenance workers, downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems	**Potentially complete**	Fresh asphaltic waste observed with discernible odour. Sample and analyse (PAHs, TRH) and assess management options (onsite reuse or offsite disposal).
Backfilled salt-water pool area	Heavy metals, TRH, BTEX, PAH, Salinity (Cl^-, Na)	Direct contact, ingestion, inhalation, leaching to groundwater.	Construction workers; groundwater users (off-site bores)	**Potentially complete**	Pool was decommissioned & backfilled; characterise backfill and check salinity.
Fibre board cement sheeting observed near conference building (from eaves)	Asbestos (ACM)	Fibre inhalation from damaged/handled material; soil disturbance spreading fragments	Construction workers, future residents (if not removed)	**Potentially incomplete** (during demolition/earthworks)	Confirm whether fibre board sheets contain ACM. Relatively unlikely given the age of construction (1998 – 2008).

Potential Source(s)	COPC	Potential Pathway(s)	Potential Receptor(s)	Exposure Pathway Completion	Comments
Gyprock stored in old garage	Gypsum (benign), possible lead paint, silica dust	Dust generation; direct contact	Workers during handling/clear-out	**Potentially incomplete**	Materials in covered, plastic containers. Manage as construction waste.
Electrical items/appliances (fridges, AC units, radios) within waste piles	TRH, refrigerants, mercury (switches), lead	Direct contact; ingestion, inhalation, leaching to soil	Construction workers and future residents, downgradient neighbours	**Potentially complete**	Materials to be removed and disposed with footprints assessed following removal.
Treated timber, pallets, timber poles (solid waste stockpiles only)	CCA preservatives (As/Cr/Cu), PAHs	Direct contact; leaching to soil	Construction workers and future residents	**Potentially complete**	Segregate & dispose/reuse appropriately; test adjacent soils if timber stored long-term on bare ground.
Historic resort chemical use (landscaping, pool chemicals, cleaning)	Nutrients, herbicides/pesticides (legacy), cyanuric acid/chlorine residuals	Direct contact; leaching/runoff (localised)	Construction workers and future residents	**Potentially complete (low-likelihood)**	No storage observed; treat as data gap, targeted sampling near former pool/services and maintenance areas.

Total Recoverable hydrocarbons – TRH; Benzene, Toluene, Ethylbenzene, Xylene and Naphthalene (BTEXN); Heavy Metals (Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Mercury (Hg), Nickel (Ni), Zinc (Zn)); Polycyclic Aromatic Hydrocarbons (PAH); Copper, Chromium and Arsenic (CCA).

4 SAMPLING AND ANALYSIS

The sampling methodology, analytical schedule and quality assurance and quality control plan were developed based on the assessment objectives, in general accordance with relevant sections in Schedule B2 of the ASC NEPM. The purpose of the assessment being to provide quantification of the contamination status of the soils and sediment and surface water from dams.

4.1 FIELDWORK AND QUALITY ASSURANCE

A summary of the fieldwork and quality assurance undertaken is presented in Table 4-1.

Table 4-1: Sampling Methodology

Activity	Details and Comments
Services Clearance	A search of the Before You Dig Australia (BYDA) online search was undertaken for the Site. There were no services identified that would intersect with the sample collection activities. Following additional consultation with Wanda Beach it was confirmed that there were local services that required consideration, and this advice was considered in the identification of final sampling locations. As a result of suspected localised services and utilities, shallow sampling was required for HA01, HA02, HA03, BH01, BH03, BH08, BH09, BH17, BH18 and BH19. Shallow sampling was also completed for soils below demolition stockpile SP4 and at all contamination delineation locations.
Assessment Criteria	The assessment of soil contamination at the Site was undertaken with reference to established national guidance to determine potential risks to human health and the environment in the context of the proposed townhouse development. The following assessment criteria have been adopted: **Soil Contamination Assessment Criteria** • Soil results have been evaluated against the criteria set out in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)* (ASC NEPM). The include: ▪ Health Investigation Levels (HILs) for Residential A (low-density housing) – applicable to standard residential developments with unrestricted access to gardens and outdoor soil. ▪ Health Screening Levels (HSLs) for petroleum hydrocarbons (HSL-A for residential use) – where applicable, based on potential vapour intrusion pathways and soil texture (coarse/medium/fine). ▪ Ecological Investigation Levels (EILs) (urban residential and public open space) – for contaminants where ecological risk is relevant and where soils are likely to support sensitive terrestrial ecosystems post-development. ▪ Waste Classification Guidelines Values – Contaminant Thresholds and Specific Contaminant Concentrations without and with the consideration of leaching for the assessment of classification for offsite disposal suitability.
Sampling	Given the variety of contamination risks identified in DRB, 2025 including the fill materials in

Rationale	the surface across the Site and material contained within stockpiles, a judgemental sampling methodology as per the *NSW EPA 2022, Sampling Design Part 1, Contaminated Land Guidelines* has been adopted. The sampling design was as follows: • Targeted sampling was applied to the assessment of the fill generally across the Site. A total of 22 sampling locations were distributed across the investigation area to assess the contamination status of the fill. The locations included exposed trafficable surfaces and verges where fill materials were identified during the PSI (BH01 – BH19, HA01 – HA03). • Targeted sampling of stockpiles was also completed. Soils stockpiled within SP1 – SP3 and SP5 comprising rocks and soils were sampled. Surface soils below demolition stockpile SP4 were sampled. • Eight (8) additional surface soil samples were collected to delineate the extent of a benzo(a)pyrene (BaP) hotspot[6] identified at sampling location BH17. The samples were judgementally positioned, with two (2) step-out samples collected in each cardinal direction (north, south, east, and west) from the original hotspot. The spacing and extent of the step-out locations were determined in the field based on visual indications of potentially contaminated fill material observed at the surface. **Sampling Design Objectives** • To investigate AEC identified in DRB, 2025. • To inform risk assessment and support future land use planning in accordance with the ASC NEPM and SEPP R&H. • To inform extent of the BaP hotspot identified at BH17.
Sampling Locations	As included in Appendix A, Figures 3
Sample Types	• Discrete soil samples • QA/QC samples (field duplicates, trip blanks and spikes).
Sampling Methodology	The field sampling methodology followed for the investigation is as follows: **Soil Sampling Methodology** • All samples were collected from test pits. • Test pits were typically excavated using a 5.5-tonne excavator with a toothed bucket (given the extensive rock and hard subsurface) and a toothless bucket in areas where only shallow sampling was possible (BH08, BH09). • Shallow soils (0 – 0.2 m bgs) were also collected using a hand pick in areas where excavator access was not possible (HA01, HA02, HA03, BH01, BH03, BH17, BH18 and BH19). • Test pits logged to *AS 1726: 2017, Geotechnical Site Investigations*, including description of soil type, colour, structure, moisture, and inclusions. Logs included in Appendix D. • Samples collected directly from the pit wall by hand using clean, disposable nitrile gloves to collect each sample.

[6] concentrations > 2.5 times the health or ecological guideline values

	• Soil samples stored in appropriate containers, labelled, chilled, and submitted to a NATA-accredited laboratory with chain-of-custody. • Field duplicates collected at a rate of 1 per 20 primary samples for quality control. All samples handled, stored, and transported in sealed containers with appropriate asbestos hazard labelling.
Soil Logging	Soil descriptions were collected from each shallow bore with the test pits logged in accordance with *AS 1726:2017 Geotechnical Site Investigations* and Section *7.3 Field Description of Soils*, in Schedule B2 of the ASC NEPM. Logs included in Appendix D.
Sample Storage and Transport	Samples were collected in appropriately preserved, laboratory-supplied sample containers and immediately placed into a chilled, insulated esky with ice. Samples were delivered to a NATA-accredited laboratory under chain of custody (COC) documentation and within holding times for the nominated analyses. COC documentation is provided in Appendix E.
Decontamination of Sampling Equipment	Soil samples were collected directly from the test pit walls by gloved hand, using a new pair of disposable nitrile gloves for each sample. There was no reusable sampling equipment utilised.
Field QA Procedures	The following field quality assurance measures was implemented for the fieldworks: • Environmental sampling and field screening performed in accordance with industry standards, which are consistent with recommended methods described by the ASC NEPM and other relevant regulator guidelines for sampling potentially contaminated soil. • Field staff were appropriately trained for the required tasks. • Sampling was generally undertaken at the planned locations and samples collected from the planned depth intervals. • Reusable sampling gear was not used. • Samples were collected into laboratory supplied containers specific to the required analysis with appropriate sample preservative.
Field QC Samples	To assess the accuracy and precision of the data generated by the assessment, the following quality control samples were collected and analysed: • Intra-laboratory duplicate – One intra-laboratory duplicate collected per twenty primary samples. • Trip blank – One trip blank sample within each batch of samples submitted to the laboratory for analysis. • Trip spike – One trip spike sample within each batch of samples submitted to the laboratory for analysis. • Rinsate blank – Not collected given reusable sampling equipment was not used.
Laboratory QA Procedures	The following QA measures were implemented by the analytical laboratory: • The laboratory was NATA accredited for the required analyses. The laboratory selected for this project was Eurofins MGT. No secondary laboratory was used. • The laboratory implemented a quality plan conforming to Schedule B3 of the ASC NEPM *Guidelines for Analysis of Potentially Contaminated Soils*.

	• Samples were analysed within holding times for the required analyses.
Laboratory QC Tests	• The following QC measures were undertaken by the analytical laboratory: • The laboratory implemented a quality plan conforming to Schedule B3 of the ASC NEPM *Guidelines for Analysis of Potentially Contaminated Soils*. • The laboratory analysed reagent blanks, control spike samples, matrix spikes, surrogate compounds and laboratory duplicates. DRB assessed the laboratory quality control data by: • Validating that the results are consistent with field observations. • Validating that the reporting limits and procedures were satisfactory. • Validating that the samples were analysed within holding times and that NATA accredited methods were used to determine the result. • Validating that the laboratory blanks/ reagent blanks were less than the laboratory reporting limits. • Validating acceptable reproducibility of samples, by calculating RPDs between primary and duplicate laboratory samples. • Validating that laboratory spikes, surrogate spikes and matrix spikes recoveries were within acceptable control limits. • Where data quality indicators were not met, the data and quality assurance measures were reviewed to assess any impacts on data useability.

4.2 SAMPLING AND ANALYTICAL SCHEDULE

The completed sampling and analytical schedule and areas sampled is summarised in Table 4-2

Table 4-2: Sampling and Analytical Schedule Completed

Sampling Locations	Sampling Depths (m)		Analytical Schedule
BH01	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH02	0.1	0.5	TRH, BTEX, PAH, Heavy Metals
BH03	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH04	0.1	0.4	TRH, BTEX, PAH, Heavy Metals
BH05	0.1	0.5	TRH, BTEX, PAH, Heavy Metals
BH06	0.1	0.6	TRH, BTEX, PAH, Heavy Metals
BH07	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH08	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH09	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH10	0.1	0.3	TRH, BTEX, PAH, Heavy Metals
BH11	0.1	0.6	TRH, BTEX, PAH, Heavy Metals
BH12	0.1	0.4	TRH, BTEX, PAH, Heavy Metals
BH13	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH14	0.1	0.5	TRH, BTEX, PAH, Heavy Metals
BH15	0.1	0.3	TRH, BTEX, PAH, Heavy Metals

Sampling Locations	Sampling Depths (m)		Analytical Schedule
BH16	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH17	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH18	0.1	-	TRH, BTEX, PAH, Heavy Metals
BH19	0.1	-	TRH, BTEX, PAH, Heavy Metals
HA01 – HA03	0.1	-	TRH, BTEX, PAH, Heavy Metals, ACM (soil)
SP1 – SP3, SP5	0.2 – 0.4	-	TRH, BTEX, PAH, Heavy Metals
SP4 (soils below stockpile)	0.1	-	TRH, BTEX, PAH, Heavy Metals
ASB01 – ASB03 (fragments)	N/A	N/A	ACM (building materials)
DL-NORTH-01	0.1	-	PAH
DL-NORTH-02	0.1	-	PAH
DL-EAST-01	0.1	-	PAH
DL-EAST-02	0.1	-	PAH
DL-SOUTH-01	0.1	-	PAH
DL-SOUTH-02	0.1	-	PAH
DL-WEST-01	0.1	-	PAH
DL-WEST-02	0.1	-	PAH

5 DATA QUALITY OBJECTIVES

Data quality objectives for the assessment were prepared in accordance with the seven-step process contained in Schedule B2 of the ASC NEPM. The DQOs are summarised in Table 5-1.

Table 5-1: Summary of Data Quality Objectives for the Investigation

DQO Step	Description	Summary
1. State the Problem	Define the contamination issue and context.	The Site forms part of the former Colonial Ridge Retreat, which historically operated as a self-catering holiday facility with multiple cabins and supporting amenities. A large conference facility was located to the west of the Site, and a saltwater pool was situated within the current development footprint. Following the closure of the retreat, the pool was decommissioned and subsequently backfilled. The Site is covered extensively by fill materials, placed above the shallow rock profile, possibly during historic cut to fill activities.
2. Identify the Decision	Clarify decisions the data will support.	The objectives of the DSI are outlined in Section 1.1. Decision Questions: • Is the Site suitable for the proposed residential use? • If contamination is identified, what is the nature and extent of contamination on the Site? • If contamination is identified, is further assessment, remediation and / or management required to render the Site suitable for use? • What is the indicative waste classification of soil encountered based on the results of this DSI?
3. Identify Inputs to the Decision	List data and information required.	Includes summary of DRB, 2025, site walkover observations, SAQP indicating soil sampling locations and methodology, laboratory analysis, relevant Site Assessment Criteria (SAC) and comparison of laboratory data with SACs.
4. Define the Boundaries of the Study	Establish spatial and temporal limits.	Spatial: Locations assessed: As included in Table 4-2 and as shown in Appendix A, Figure 3. Depth – Typically < 0.5 m bgs. Deeper fill identified at BH02 and BH14 to approximately 0.7 and 1.0 m

DQO Step	Description	Summary
		bgs respectively. Given the shallow rock depth, delineation samples were limited to surface only. Temporal: 22nd and 24th of September 2025 and the 15th of October 2025.
5. Develop a Decision Rule	Link data outcomes to action.	This step defined the parameter of interest, specified the action levels, and integrated outputs from earlier DQO steps into clear if/then rules guiding assessment and remediation decisions. • Decision Rule 1: If contaminant concentrations are below assessment criteria, risk is low/acceptable – no further action required for that chemical, medium, or area. • Decision Rule 2: If concentrations exceed assessment criteria, remediation or further assessment may be required. For similar soil types, statistical criteria apply: ▪ 95% $UCL_{AVERAGE}$ ≤ investigation/screening level ▪ Standard deviation < 50% of investigation/screening level ▪ No single value > 250% of investigation/screening level • Decision Rule 3: If asbestos is observed, assess its nature, type, location, and condition to determine potential human health risks and the need for management/remediation. • Decision Rule 4: If QC results meet DQI limits, analytical data is considered suitable and reliable.
6. Specify Limits on Decision Errors	Define acceptable uncertainty.	The null hypothesis (H_0) assumes contamination exceeds assessment criteria, requiring further action; the alternative hypothesis (H_a) assumes contamination above criteria is absent and no further action is required. • Error Risks: ▪ Type I (α = 0.05): Incorrectly deeming the site acceptable when it is not, risking human health/environment. ▪ Type II (β = 0.2): Incorrectly deeming the site unacceptable when it is acceptable, leading to unnecessary costs or delays. • Decision Error Controls: Assessment based on DQIs – precision, accuracy, representativeness, comparability, and completeness. Decision errors can arise from:

DQO Step	Description	Summary
		▪ Sampling errors – samples not representative of site conditions. ▪ Measurement errors – issues during collection, handling, preparation, analysis, or data reduction. Data quality assessment followed ASC NEPM and *NSW EPA (2022) Sampling Design Part 1 – Application.*
7. Optimise the Design for Obtaining Data	Ensure efficiency and reliability of data collection.	Sampling design aligned with proposed development. Field and lab QA/QC followed. Procedures met Schedule B2 standards and allowed the quantitative assessment of the contamination status of the Site.

6 RESULTS

The summary of results and assessment criteria are provided in Table 6-1. Data tables are included in Appendix C.

Table 6-1: Summary of Site Assessment Criteria and Results

<table>
<tr><td>Observed Soil Profile</td><td>Site investigations indicate that the near-surface profile is generally disturbed, with shallow topsoil and fill materials present across much of the Site. These fills are typically composed of clayey sands, silty sands, sandy gravels, and anthropogenic inclusions such as rocks, plastic fragments, and occasional construction debris. Depths of fill vary between 0.1 m and 1.2 m, depending on location.

Beneath the fill, the underlying natural geology is dominated by weathered pyroclastic volcanic sandstone, which was consistently encountered at shallow depths ranging from 0.2 m to 1.0 m below ground level. In isolated locations, a thin layer of very stiff natural clay was recorded above the volcanic ash horizon (e.g., BH06).

Overall, the subsurface conditions reflect a veneer of heterogeneous fill materials of varying composition overlying the regionally consistent volcanic sandstone bedrock. This shallow and variable fill profile highlights the disturbed nature of the Site and the need for classification of fill materials to inform their reuse or disposal.</td></tr>
<tr><td>QA/QC Assessment Criteria (Analytical results)</td><td><table>
<tr><th>Type of Quality Control Sample</th><th>Control Limit</th></tr>
<tr><td>Duplicate Samples</td><td>Relative Percentage Difference (RPD) within 50%</td></tr>
<tr><td>Trip Blanks</td><td>Analytes not detected</td></tr>
<tr><td>Trip Spikes</td><td>Recovery between 70% – 130% for the chosen COC</td></tr>
</table></td></tr>
<tr><td>Soil Results</td><td>Table 6-2 presents a summary comparison of detected contaminant concentrations against the relevant residential land use and CT1 waste classification guideline values. Results are tabulated and presented in Appendix C, Table LR1.

Table 6-2: Soil Results Summary (Concentrations in mg/kg)
<table>
<tr><th>Analytes</th><th>HIL/HSL A</th><th>EIL/ESL A/B</th><th>CT1 Waste</th><th>CT2 Waste</th><th>Dataset</th></tr>
<tr><td>Arsenic</td><td>100</td><td>100</td><td>100</td><td>400</td><td>2.1 – 34</td></tr>
<tr><td>Cadmium</td><td>20</td><td>-</td><td>20</td><td>80</td><td>< 0.4</td></tr>
</table></td></tr>
</table>

Chromium (VI)	100	190	100	400	5.1 – 24[7]
Copper	6000	60	-	-	5.1 – 70
Lead	300	1,100	100	400	5.8 – 25
Mercury	40	-	4	16	< 0.1
Nickel	400	30	40	160	5.6 – 6.6
Zinc	7400	70	-	-	8.3 - 200
Benzo(a)pyrene	-	20	0.8	3.2	0.6 – 18
Benzo(a)pyrene TEQ[8]	3	-	-	-	0.6 – 27
Total PAH	300	-	200	800	0.6 – 260
Benzene	0.5	50	10	40	< 0.1
Toluene	160	85	288	1,152	< 0.1
Ethylbenzene	55	70	600	2,400	< 0.1
Xylene	40	105	1000	4,000	< 0.3
TRH F1	45	180	-	-	< 20
TRH F2	110	120	-	-	< 50 – 55
TRH F3	-	300	-	-	120 – 1500
TRH F4	-	2800	-	-	110 – 3300
TRH C6 – C9	-	-	650	2,600	< 20
TRH C10 – C36	-	-	10,000	40,000	52 – 2,050

- Benzo(a)pyrene TEQ (BaP TEQ) was measured detected above the HIL-A guidance value (3 mg/kg) at BH06-0.6 (4.3 mg/kg) and BH17-0.1 (27 mg/kg).

[7] Measured as Total Chromium
[8] Benzo(a)pyrene TEQ (Toxicity Equivalency Quotient) – The combined carcinogenic potency of a group of polycyclic aromatic hydrocarbons (PAHs) in terms of their equivalence to benzo(a)pyrene (BaP).

- Zinc was measured above the generic EIL A/B (70 mg/kg) for the following samples:
  - BH02-0.5 (79 mg/kg)
  - BH12-0.4 (110 mg/kg)
  - SP02-07 (93 mg/kg)
  - SP02-0.8 (76 mg/kg)
  - SP04-02 (200 mg/kg)
  - HA01 (90 mg/kg)
  - HA03 (130 mg/kg)
- Copper was measured above the generic EIL A/B (60 mg/kg) for BH17-0.1 (70 mg/kg)
- TRH F3 was measured above the generic ESL for Urban Residential and Public Open Space (300 mg/kg) for the following samples:
  - SP3-03, SP3-05, SP3-06, SP3-10 (elevated LOR < 500 mg/kg)
  - BH12-0.4 (480 mg/kg)
  - SP3-08 (550 mg/kg)
  - SP3-09 (580 mg/kg)
  - SP5-01 (890 mg/kg)
  - SP5-02 (1,500 mg/kg)
  - SP5-03 (1,300 mg/kg)
  - SP5-04 (1,200 mg/kg)
  - SP5-05 (640 mg/kg)
  - BH17-0.1 (710 mg/kg)
- TRH F4 was me assured above the generic ESL for Urban Residential and Public Open Space at SP5-02 (3,300 mg/kg)
- Site-specific EILs for zinc were calculated for fill materials. The relevant parameters and resulting site-specific EILs are CEC: 12.6 meq/100g; pH: 6.4) – 560 mg/kg Zn
- Compared to the calculated site-specific EILs, only a single exceedance was identified on Lot 42 for Zn, 594-TP11-0.3 (870mg/kg).
- Exceedances of the CT1 and CT2 waste classification guideline values for BaP were measured for the following samples:
  - BH06-0.6 (4.3 mg/kg)
  - BH17-0.1 (18 mg/kg)

BH17 BaP Hotspot Delineation

Additional samples were collected and analysed to delineate the extent of the BaP TEQ hotspot identified at BH17. The results of the additional analyses are included in Table 6-3.

Table 6-3: BaP TEQ Delineation Results

Delineation Sampling Location	BaP TEQ Concentration (mg/kg)
DL-NORTH-01	0.9
DL-NORTH-02	0.6
DL-EAST-01	0.6

DL-EAST-02	0.6
DL-SOUTH-01	0.6
DL-SOUTH-02	1.8
DL-WEST-01	10
DL-WEST-02	0.6

One additional exceedance of the low-density residential (HIL-A) BaP TEQ guideline value (3 mg/kg) was measured at DL-WEST-01.

Waste Classification

- Exceedances of the CT1 and CT2 waste classification guideline values for BaP (0.8 mg/kg and 3.2 mg/kg respectively) were measured in the following samples:
  - BH06-0.6 (4.3 mg/kg)
  - BH17-0.1 (18 mg/kg)

Toxicity Characteristic Leaching Procedure (TCLP) analysis was completed on both samples to assess the leachable concentration of BaP.

TCLP Results

The results of the TCLP analysis are provided in Table 6-4, with the results compared to the TCLP1 (General Solid Waste Criteria). Laboratory certificates are included in Appendix E.

Table 6-4: TCLP Results (mg/L)

Sample ID	TCLP1	TCLP Results
BH06-0.6	0.04	< 0.001
BH17-0.1	0.04	< 0.001

The results of the TCLP analysis confirm that the leachable concentration in the sample was below the TCLP1 (General Solid Waste) threshold value. As a result, the total BaP concentrations measured in the soil can be compared against the SCC1 (General Solid Waste) and SCC2 (Restricted Solid Waste) criteria. This comparison is presented in Table 6-5.

Table 6-5: Comparison against BaP SCC Criteria (mg/kg)

Sample ID	SCC1	SCC2	Concentration in Soil
BH06-0.6	10	23	4.3
BH17-0.1	10	23	18

- The concentration measured in BH06-0.6 was below both the SCC1 and SCC2 criteria.

	• The concentration measured in BH17-0.1 exceeded the SCC1 criteria but was below the SCC2 criteria. The remainder of the sampling locations including general fill locations and stockpile samples measured below the CT1 criteria for BaP.
Field QA Procedures	The following field quality assurance measures was implemented for the fieldworks: • Environmental sampling performed in accordance with the sampling plan. • Field staff were appropriately trained for the required tasks. • Sampling was generally undertaken at all planned locations and samples collected from the planned depth intervals. • Reusable sampling gear was not used. • Samples were collected into laboratory supplied containers specific to the required analysis with appropriate sample preservative.
Sample Storage and Transport	Samples were collected in appropriately preserved, laboratory-supplied sample containers and immediately placed into a chilled, insulated esky with ice. Samples were delivered to a NATA-accredited laboratory under chain of custody (COC) documentation and within holding times for the nominated analyses. COC documentation is provided in Appendix E.

Field QA / QC Samples	To validate the accuracy and precision of the data generated by the assessment, the following quality control samples were collected and analysed:
	
	• Intra-laboratory duplicate – One intra-laboratory duplicate collected per twenty primary samples.
	• Field QA/QC samples (Duplicates) were as follows:
	  • BH01-0.1 / QC01-BH01-0.1
	  • BH16-0.1 / QC02-BH16-0.1
	  • HA01 / QC03-HA01
	  • SP1-03 / QC04-SP01-03
	  • DL-NORTH-01 / QC-DL-NORTH-01
	• Trip blank – One trip blank sample within each batch of samples submitted to the laboratory for analysis.
	• Trip spike – One trip spike sample within each batch of samples submitted to the laboratory for analysis.

QA/QC Duplicate results	Relative Percentage Difference (RPD): < acceptable criteria for assessed COPC in the respective EQL multiplier range except for Total PAH for QC pair DL-NORTH-01 / QC-DL-NORTH-01. The QC pair reflected variability in the concentrations for multiple PAHs. The variability is most likely related to heterogeneity within the soil sample due to differing distribution of particle sizes. To manage the variability, the higher of the two samples is considered for the assessment of location impact. RPD data is included in Appendix C, Table LR2.
Data Quality Indicators	To ensure that data collected during the site investigation was suitable for its intended purpose, a series of Data Quality Indicators (DQIs) were applied. These indicators provide a framework for assessing whether the quality of the data meets the project's Data Quality Objectives (DQOs) – that is, whether the data is accurate, representative,

complete, precise, and comparable enough to support reliable risk assessment and decision-making.

DQIs are applied to both field and laboratory data and are assessed throughout the investigation process, from planning and sampling through to analysis and reporting. The key DQIs considered for the assessment include:

- Precision – The degree to which repeated measurements under unchanged conditions show the same results. Assessed through field and laboratory duplicates.
- Accuracy (Bias) – The closeness of a measured value to a true or known value. Assessed using certified reference materials, matrix spikes, and lab control samples.
- Representativeness – The extent to which the sample data accurately reflects the actual environmental conditions at the site. Ensured through proper sampling design and appropriate spatial/temporal coverage.
- Completeness – The proportion of valid data obtained compared to the planned data collection effort. Typically expressed as a percentage of successful measurements.
- Comparability – The degree to which data can be compared with other datasets or guideline values. Achieved by using consistent sampling methods, analytical techniques, and units of measurement.
- Sensitivity – The ability of the analytical method to detect contaminants at or below relevant guideline levels. Verified by ensuring reporting limits are below screening criteria (e.g. HILs, EILs, ANZG).

Table 6-6 presents a summary of the Data Quality Indicators (DQIs) assessed for the DSI in accordance with Schedule B2 of the ASC NEPM.

Table 6-6: DQI Summary

DQI	Assessment Outcome
Precision	RPDs for field and laboratory duplicates were within the acceptable limit of <50%, indicating good precision.
Accuracy	Laboratory trip spikes reported recoveries within the acceptable range of 70–130%, indicating acceptable accuracy.
Representativeness	Samples were collected from the proposed assessment areas within the Site. Depths were appropriate. The samples collected were representative and reflective of the expected top-down sample contamination expected due to historic activities.
Completeness	All planned locations were sampled to required depths and QA/QC samples were included.
Comparability	Sampling and analysis followed NEPM guidelines. Results compared to the adopted relevant site assessment criteria for low-density residential land-use.

	Sensitivity	Laboratory limits of reporting were suitable for comparison with NEPM criteria. No exceedances were recorded.
	Holding Times and Sample Integrity	Samples were chilled, delivered to a NATA-accredited laboratory under Chain of Custody, and analysed within holding times.
	QA/QC Sample Performance	Trip blanks showed no detections. Duplicate RPDs were within acceptable limits. Lab QA/QC (blanks, spikes, surrogates) were within control limits.
Data Quality Assessment	DRB considers that the field and laboratory data assessed is reliable in consideration of the following: • Operating procedures were appropriate and generally complied with. • Field works, and sampling was completed by a trained field technician. • Sampling procedures were appropriate, complied with and completed consistently during the assessment works. • Sampling was completed generally in optimal weather. • The laboratory analysed samples as per the COCs and the sampling plan. • Sample documentation was completed. • Appropriate laboratory testing methods and LORs were implemented. • The primary samples for contamination assessment were collected during two mobilisations and were submitted to one NATA accredited laboratory for analysis. • The laboratory undertook the analysis of laboratory prepared duplicates. • Laboratory QA/QC procedure implemented and considered appropriate. Based on the assessment of the QA/QC results, the field and laboratory QA/QC data assessed are usable and representative of the sampling locations at the time of sampling and are suitable for the purpose of the assessment.	

7 DISCUSSION

The DSI undertaken across the Site has targeted potential contamination risks associated with historical and current land uses. Sampling and analysis were completed in accordance with applicable guidelines and focused on areas of environmental concern (AECs), including fill materials across the Site, excavated materials identified within stockpiles (SP1, SP2, SP3 and SP5) and soils potentially impacted by stockpiled demolition materials (SP4).

7.1 GENERAL SITE FILL MATERIALS

HUMAN HEALTH ASSESSMENT

Soils samples collected from fill materials measured no exceedances of relevant health guideline values except for BaP TEQ (3 mg/kg) at locations BH06-0.6 (4.3 mg/kg) and BH17-0.1 (27 mg/kg). The BaP TEQ exceedance measured at BH17-0.1 (27mg/kg) represents a potential health risk and will require management as the location is within the future development footprint.

ECOLOGICAL ASSESSMENT

ZINC

Exceedances of the generic EIL for Zinc were measured in multiple general fill samples. The site-specific EIL value for Zn was estimated by using sample HA03 which measured a zinc concentration of 130 mg/kg. The sample was analysed for the relevant chemical parameters to assess site-specific Zn EIL in accordance with the requirements of the ASC NEPM. The analysis resulted in the following:

- Cation exchange capacity (CEC) – 3 meq/100g
- pH – 5.6 pH Units

The site-specific EIL for Zn estimated using the ASC NEPM Toolbox, was 210 mg/kg.

95% $UCL_{AVERAGE}$ was calculated using USEPA ProUCL V5.2.0 software (ProUCL). The calculated values, the supporting standard deviations (SD) and presence of hotspot concentrations are included in Table 7-1.

Table 7-1: Statistical Summary, Zinc in General Fill (Concentrations in mg/kg)

N	Guideline Values (GV) (Generic | Specific)	95% $UCL_{AVERAGE}$	SD	SD < GV	Hotspots	UCL Validity
32	70 | 210	47.98	26.48	Yes	No	Y

TRH F3

Two locations, BH12-0.4 (480 mg/kg) and BH17-0.1 (710 mg/kg) measured exceedances of the generic ESL for TRH F3 (300 mg/kg). 95% $UCL_{AVERAGE}$ was calculated using ProUCL. The calculated values, the supporting standard deviations (SD) and presence of hotspot concentration is included in Table 7-2

Table 7-2: Statistical Summary, TRH F3 General Fill (Concentrations in mg/kg)

N	Guideline Value (GV)	95% $UCL_{AVERAGE}$	SD	SD < GV	Hotspots	UCL Validity
32	300	146.7	140.2	Yes	No	Y

The general fill materials measure below the relevant ESL GV and are not considered an ecological risk.

7.2 STOCKPILES

HUMAN HEALTH ASSESSMENT

Soils samples collected from stockpiles measured no exceedances of relevant health guideline values.

ECOLOGICAL ASSESSMENT

ZINC

Exceedances of the generic EIL for Zinc were measured in stockpiles. The site-specific EIL value for Zn was estimated by assessing sample SP4-02 which measured a zinc concentration of 200mg/kg (representing a hotspot concentration when compared to the generic EIL guideline value for Zn). The sample was analysed for the relevant chemical parameters to assess site-specific Zn EIL in accordance with the requirements of the ASC NEPM. The analysis resulted in the following:

- Cation exchange capacity (CEC) – 25 meq/100g
- pH – 7.6

The site-specific EIL for Zn (stockpiles) estimated using the ASC NEPM Toolbox, was 910 mg/kg.

95% $UCL_{AVERAGE}$ was calculated suing ProUCL. The calculated values, the supporting standard deviations (SD) and presence of hotspot concentrations are included in Table 7-3.

Table 7-3: Statistical Summary, Zinc in Stockpiles (Concentrations in mg/kg)

N	Guideline Values (GV) (Generic | Specific)	95% $UCL_{AVERAGE}$	SD	SD < GV	Hotspots	UCL Validity
40	70 | 910	49.07	29.71	Yes	Yes	N

Following comparison with the calculated site-specific Zn EIL, no exceedance concentrations were measured in stockpile samples.

TRH F3

Multiple exceedances of the generic ESL for TRH F3 were measured within stockpiles, specifically SP3 and SP5. Several of the concentrations represented hotspot concentrations and as such a 95% $UCL_{AVERAGE}$ has not been calculated. These stockpiles comprised fill materials including road base materials that contained significant inclusions of asphalt. Given this, the elevated TRH F3 concentrations are not unexpected and are manageable from a material reuse perspective.

Stockpiles SP1 and SP2 comprise a combination of excavated rock (large boulders) and soils. The rocks have previously been classified as Virgin Excavated Natural Material (VENM) in a letter prepared by *Practical Environmental Solutions (VENM Soil Certification, Site No. 4 Fleet Street, Salamander Bay, 17 July 2023)*, included in Appendix F. The associated soils, which are not VENM classified have been classified for offsite reuse with the relevant waste classification provided in Section 7.4. Soils associated with the stockpiles are also suitable for onsite reuse given no measured exceedances of relevant health and ecological assessment criteria.

Stockpiles SP3 and SP5 can be reused onsite for road construction purposes but not generally as fill given the measured exceedances of the TRH F3 ESL.

7.3 BH17 IMPACT AND DELINEATION

Exceedances of health-based criteria were recorded at BH17-0.1, where concentrations of BaP TEQ exceeded the Health Investigation Levels (HILs) for a low-density residential (HIL-A) land use scenario.

The impacted material comprised light grey and brown coarse gravel and dark brown sandy fill. The Client advised that this material originated from the excavation and placement of an old asphalt road previously located on the Site. This is consistent with field observations, where the fill appeared visibly distinct from the surrounding topsoil and general fill, and contained asphaltic fragments and bound gravel typical of reclaimed road base and bound asphalt wearing course. The impacted fill was observed to extend across the north-eastern corner of the Site.

Based on the proposed development layout (refer to Figure 6, Appendix A), this portion of the Site will form part of the landscaped boundary area. Given the exceedances of the relevant health criteria for BaP TEQ, this area will require targeted management prior to or during construction to ensure the land is suitable for the proposed use.

A delineation assessment was undertaken to confirm the extent of BaP TEQ impact. Additional impact above the Site Acceptance Criteria (SAC) was identified west of BH17 at DL-WEST-01 (10 mg/kg). The contamination was therefore delineated in each cardinal direction at DL-NORTH-01, DL-SOUTH-01, DL-EAST-01, and DL-WEST-02. The delineation locations and total delineated impact are (approximately 23m^2) are shown on Figures 4 and 5, Appendix A respectively. Within the delineation area, the same coarse gravelly and asphaltic fill was observed, further supporting the interpretation that the impacted material was derived from reused road pavement placed during previous site works.

It is recommended that the BaP impacted area be managed under a Contaminated Land Management Plan (CLMP). This approach is considered appropriate given the limited volume, localised extent, and low potential for human or environmental exposure associated with the material, which comprises asphaltic and gravelly fill from historical roadworks. The CLMP should include procedures for the controlled removal and validation of the impacted material during development works and provide for verification by a Certified Environmental Practitioner – Site Contamination Specialist (CEnvP-SC) confirming that residual risks are low and that the Site is suitable for its intended residential use.

7.4 PRELIMINARY WASTE CLASSIFICATION

Assessment Criteria	Waste materials are classified in accordance with the *NSW EPA 2014 Waste Classification Guidelines*.
Asbestos	No ACM was identified.
STEP 1: Is the Waste Special Waste?	No
STEP 2: Is the Waste Liquid Waste?	No
STEP 3: Is the Waste Pre-classified?	No
STEP 4: Does the waste possess hazardous characteristics	No
STEP 5: Chemical characterisation of the soil	Exceedances of the CT1, CT2 waste criteria for BaP were identified for samples collected at BH06-0.6 and BH17-0.1. TCLP analysis measured

materials	leachable concentrations of BaP in both samples below the TCLP1 criteria. Soil at BH06-0.6 measured BaP below the relevant SCC1 criteria. Soil at BH17-0.1 measured BaP in exceedance of the SCC1 criteria but below the SCC2 criteria.
STEP 6: Is the waste putrescible or non-putrescible?	Non-putrescible
Waste Classification Conclusion	• Generally, fill soils across the Site and soils within stockpiles as assessed meet the chemical requirements for classification as General Solid Waste (CT1) • Soil associated with BH06-0.6 is classified as General Solid Waste (SCC1) • Soil associated with BH17-0.1 is classified as Restricted Solid Waste
Recommendations for Material Management	• If excavated material is to be disposed of offsite, it must be transported by a licensed waste transporter and delivered to a waste facility lawfully permitted to accept the material. A waste classification report must be provided to the receiving facility in accordance with the WCG. • Soils classified as General Solid Waste (CT1) may be considered for recycling (depending upon the requirements of the recycler). • Soils with different classifications must be segregated and stockpiled separately if disposal offsite is being considered. • Additional delineation can be undertaken around BH06 to identify more conclusively the extent of material impacted by BaP.

8 UPDATED CONCEPTUAL SITE MODEL

Soil sampling has typically identified contaminants below relevant ASC NEPM residential guideline values with no exceedances of site-specific EIL guidelines values for zinc identified in surface/sub-surface fill or stockpiles. A hotspot concentration of BaP TEQ was measured at BH17-0.1. An updated conceptual site model presenting the source-pathway-receptor modelling is provided in Table 8-1.

Table 8-1: Preliminary Source-Receptor Pathway Model for the Site

Potential Source(s)	COPC	Potential Pathway(s)	Potential Receptor(s)	Exposure Pathway Completion	Comments
Fill of unknown origin and former operational impacts	Heavy metals, TRH, BTEX, OCP/OPP, PAH	Direct contact, ingestion, inhalation; leaching to groundwater; stormwater runoff to downslope areas	Future residents (adults/children), construction & maintenance workers, downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems	**Incomplete (generally)** **Potentially complete (north-eastern corner, BH17, BaP hotspot)** **Incomplete (management under CLMP)**	Site soils are generally not impacted above relevant health and ecological assessment criteria. BaP impact identified at BH17 associated with asphaltic material and gravel fill. Fill was reported sourced from former road excavation. The area has been horizontally delineated with an approximate 23m^2 area (approximately 3 – 5 m^3 of material) identified as impacted. The impacted area will require management if included within the development footprint of the Site. Given negligible leachability of the material, overlap with a proposed verged landscape on the property periphery away from private gardens (Appendix A, Figure 6) and its association with asphaltic material, it is appropriate to manage the impacted area under a general

Potential Source(s)	COPC	Potential Pathway(s)	Potential Receptor(s)	Exposure Pathway Completion	Comments
					CLMP. The CLMP would provide general procedures to manage materials during construction but will also specify management of the impacted area with verification of removal undertaken by site contamination specialist accredited under a scheme recognised by the NSW EPA.
Mixed fill stockpiles (boulders, bricks, concrete, soils)	Heavy metals, TRH, BTEX, PAH	Direct contact, ingestion, inhalation; leaching to groundwater; stormwater runoff to downslope areas	Future residents (adults/children), construction & maintenance workers, downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems	**Potentially incomplete**	Stockpiles generally confirmed to be suitable for onsite reuse of disposal to landfill as CT1 GSW. Stockpiles SP3 and SP5 contained asphaltic residues and road base materials and are suitable for onsite reuse in roadways and pavement.
Demolition waste from within former conference building (porcelain, appliances, plastics, timber, metals)	Heavy metals, TRH, BTEX, PAH, PCB (low-likelihood), asbestos	Direct contact, ingestion, inhalation; leaching to groundwater; stormwater runoff to downslope areas	Future residents (adults/children), construction & maintenance workers, downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems	**Potentially incomplete**	Soils below and associated with waste stockpiles measured no exceedances of HIL or EIL guideline values (site-specific EIL for Zn)

Potential Source(s)	COPC	Potential Pathway(s)	Potential Receptor(s)	Exposure Pathway Completion	Comments
Asphalt & asphaltic gravels stockpile (asphaltic odour noted)	PAHs, TRH	Direct contact, ingestion, inhalation; leaching to groundwater; stormwater runoff to downslope areas	Future residents (adults/children), construction & maintenance workers, downslope neighbours, transient wildlife, groundwater and surface water dependent ecosystems	**Potentially incomplete (if used for road construction)** **Potentially complete if used in accessible areas (not within roads)**	Elevated TRH F3 concentrations associated with asphaltic content within SP3 and SP5. Potential for ecological impact if material used un-bound in surface fill. Ecological risk mitigated if used within bound roads and/or under pavements.
Backfilled salt-water pool area	Heavy metals, TRH, BTEX, PAH, Salinity (Cl^-, Na)	Direct contact, ingestion, inhalation, leaching to groundwater.	Construction workers; groundwater users (off-site bores)	**Incomplete**	Backfill materials
Fibre board cement sheeting observed near conference building (from eaves)	Asbestos (ACM)	Fibre inhalation from damaged/handled material; soil disturbance spreading fragments	Construction workers, future residents (if not removed)	**Incomplete**	Fibre board sheets do not contain ACM.
Gyprock stored in old garage	Gypsum (benign), possible lead paint, silica dust	Dust generation; direct contact	Workers during handling/clear-out	**Incomplete**	Materials in covered, plastic containers. Manage as construction waste.

Potential Source(s)	COPC	Potential Pathway(s)	Potential Receptor(s)	Exposure Pathway Completion	Comments
Electrical items/appliances (fridges, AC units, radios) within waste piles	TRH, refrigerants, mercury (switches), lead	Direct contact; ingestion, inhalation, leaching to soil	Construction workers and future residents, downgradient neighbours	**Incomplete** (disposed offsite)	Materials to be removed and disposed with footprints assessed following removal.
Treated timber, pallets, timber poles (solid waste stockpiles only)	CCA preservatives (As/Cr/Cu), PAHs	Direct contact; leaching to soil	Construction workers and future residents	**Incomplete**	No chromium, copper or arsenic identified above site assessment criteria (health)

Total Recoverable hydrocarbons – TRH; Benzene, Toluene, Ethylbenzene, Xylene and Naphthalene (BTEXN); Heavy Metals (Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Mercury (Hg), Nickel (Ni), Zinc (Zn)); Polycyclic Aromatic Hydrocarbons (PAH); Copper, Chromium and Arsenic (CCA).

9 CONCLUSION AND RECOMMENDATIONS

The Detailed Site Investigation (DSI) undertaken at 4 Fleet Street, Salamander Bay has characterised the nature and extent of contamination across the Site through targeted soil sampling, stockpile assessment, and delineation of identified hotspots. The investigation addressed potential contamination risks associated with historical land uses, including fill placement, demolition of former buildings, and the presence of residual construction and road-making materials.

The assessment found that:

- General fill materials across the Site are largely suitable for residential land use, with isolated exceedances of benzo(a)pyrene (as BaP TEQ) identified at two locations (BH06-0.6 and BH17-0.1).
- The exceedance at BH17-0.1 (27 mg/kg) represents a localised hotspot (approximately 23 m^2, 3 – 5 m^3) associated with asphaltic and gravelly fill likely derived from historical road excavation activities. Given its origin, limited volume, peripheral location, and negligible leachability, the associated risk to human health and the environment is low.
- Statistical analysis (95% $UCL_{AVERAGE}$) confirmed that, aside from the identified hotspot, contaminants of potential concern (COPCs) in fill and stockpiles were below relevant health and ecological assessment criteria, except for TRH F3 exceedances in stockpiles SP3 and SP5.
- The elevated TRH F3 in SP3 and SP5 is attributed to asphaltic inclusions, which are manageable and suitable for reuse only in bound pavement or road-base applications during the proposed development.
- No asbestos-containing material (ACM) or other significant contaminants were identified at concentrations of concern.
- Waste classification indicates that most site soils and fill materials are suitable for reuse or off-site disposal as General Solid Waste (CT1), except for material from BH17-0.1, which classifies as Restricted Solid Waste (RSW) due to elevated BaP concentrations.

9.1 RECOMMENDATIONS

- A Contaminated Land Management Plan (CLMP) shall be prepared to guide the management of soils and fill materials during development. The CLMP must include an Unexpected Finds Procedure (UFP).
- The BaP-impacted area (BH17, approx. 23 m^2) shall be specifically managed under the CLMP, with the following key elements:
  - Documentation of the location, extent, and nature of the BaP-impacted fill.
  - Procedures for removal and validation of the impacted material during development.
  - Clear definition of management responsibilities and validation methods.
  - Validation sampling to confirm residual soils comply with relevant open-space (HIL-C) criteria.
  - Provision of a validation letter to Wanda Beach Estate Pty Ltd and Council, prepared by a Certified Environmental Practitioner – Site Contamination Specialist (CEnvP-SC), confirming that residual risk is low and the area is suitable for its proposed landscaped verge use.
- Stockpiles SP3 and SP5 may be reused onsite within pavement or road sub-base layers only, provided the material remains encapsulated.
- Soils classified as General Solid Waste (CT1) may be reused onsite or disposed of to a licensed recycler or landfill facility permitted to receive this waste class.
- Soils classified as Restricted Solid Waste (RSW) (i.e., BH17-0.1 material) must be segregated and transported offsite to a facility licensed to accept RSW, using a licensed waste transporter.
- Excavated materials of differing waste classifications must be segregated, tracked, and stockpiled separately, with appropriate signage and bunding.

9.2 STATEMENT OF SITE SUITABILITY

Based on the findings of this DSI, and subject to implementation of the recommended management works for the BaP-impacted area at BH17, the Site is considered suitable for the proposed multi-unit (townhouse) residential development.

Following the management of the BH17 area under a CLMP and subsequent validation confirming that residual risks are low, the Site will present a low risk to human health and the environment under the proposed development scenario.

No further investigation will be required beyond completion of the recommended management measures, provided these works are implemented in accordance with the CLMP and verified or endorsed by a Certified Environmental Practitioner – Site Contamination Specialist (CEnvP-SC), consistent with the requirements of the ASC NEPM and the *NSW EPA (2020) Consultants Reporting on Contaminated Land Guidelines* (CRCL).

10 REPORT LIMITATIONS

This Detailed Site Investigation (DSI) report has been prepared by DRB Consulting Engineers (DRB) for the exclusive use of Wanda Beach Estate Pty Ltd. in relation to the proposed townhouse development at the Site. The report is based on the agreed scope of works and the data collected during the investigation. The findings and conclusions presented are subject to several limitations, as outlined below.

The investigation was limited to selected Areas of Environmental Concern (AECs) identified through desktop assessment and site inspection. Sampling was undertaken at discrete locations and depths and may not fully represent all subsurface conditions across the Site. Variability between sampling points should be expected. The interpretation of results assumes that all samples were correctly collected, handled, and analysed in accordance with industry standards and that laboratory testing was performed under appropriate quality assurance protocols by NATA-accredited laboratories. Only those contaminants specifically analysed are discussed within this report; the presence of other, untested contaminants cannot be ruled out.

It should be noted that site conditions can change over time due to natural processes or human activities. As such, the results presented herein are considered valid only at the time of the investigation and may not reflect future site conditions. Although reasonable efforts were made to identify and assess known or suspected contamination, the potential exists for previously unidentified contamination to be encountered during development works. Accordingly, an Unexpected Finds Protocol has been recommended to guide appropriate management should unanticipated contamination be discovered.

This report has been prepared solely for the purpose of informing planning and development decisions. It must be read in full and should not be excerpted, quoted, or reproduced in part without reference to the entire document and its associated figures and appendices. Use of this report by third parties or for purposes beyond those stated is not authorised without written permission from DRB.

Finally, the interpretation of environmental quality guidelines and screening criteria is based on current regulatory standards at the time of reporting. Should relevant guidelines change, or new information become available, the findings and conclusions of this report may need to be reassessed.

Should you require any further advice or clarification of any of the above, please do not hesitate to contact us.

Yours faithfully

DRB CONSULTING ENGINEERS PTY LIMITED

Prepared by:

Paul Wright PhD, CEnvP-SC
Principal Environmental Scientist, Contaminated Land Management Lead

Reviewed by:

Laurence Fox
CPSS, CSAM, RSP

11 APPENDICES

APPENDIX A – FIGURES

Site Figures: 4 Fleet Street, Salamander Bay, NSW 2317

Project Number:	254833	Site Address:	4 Fleet Street, Salamander Bay
Report Date:	19/08/2025	Drawn By:	Paul Wright
		Title:	Figure 1: Site Locality

Site Figures: 4 Fleet Street, Salamander Bay, NSW 2317

Project Number:	254833	Site Address:	4 Fleet Street, Salamander Bay
Report Date:	19/08/2025	Drawn By:	Paul Wright
		Title:	Figure 2: Proposed Development Footprint

Site Figures: 4 Fleet Street, Salamander Bay, NSW 2317

Project Number:	254833	Site Address:	4 Fleet Street, Salamander Bay
Report Date:	19/08/2025	Drawn By:	Paul Wright
		Title:	Figure 3: Sampling Locations

Historical Aerials: 4 Fleet Street, Salamander Bay, NSW 2317

Project Number:	254833	Site Address:	4 Fleet Street, Salamander Bay
Report Date:	19/08/2025	Drawn By:	Paul Wright
		Title:	Figure 4: BH17 Delineation Locations

Historical Aerials: 4 Fleet Street, Salamander Bay, NSW 2317

Project Number:	254833	Site Address:	4 Fleet Street, Salamander Bay
Report Date:	19/08/2025	Drawn By:	Paul Wright
		Title:	Figure 5: Remediation Area

ABBREVIATIONS

AC	AIR CONDITIONING - REFER TO MECHANICAL DOCUMENTATION
AHD	AUSTRALIAN HEIGHT DATUM
AP	ACCESS PANEL
AS	AUSTRALIAN STANDARD
BAL	BALUSTRADE
BF	BI-FOLD DOOR
BG	BOX GUTTER
BIN	GARBAGE BIN
BLK	CONCRETE BLOCKWORK
BRK	BRICKWORK
CFC	COMPRESSED FIBRE CEMENT
CLD	CLADDING
CLS	CLOTHESLINE
COL	COLUMN - REFER TO STRUCTURAL DOCUMENTATION
CONC	CONCRETE
CPT	CARPET
CR	CEMENT RENDER
DP	DOWNPIPE - REFER TO HYDRAULIC DOCUMENTATION
DR	DOOR
ENS	ENSUITE
FB	FACE BRICK
FC	FIBRE CEMENT SHEETING
FE	FIRE EXTINGUISHER
FFL	FINISHED FLOOR LEVEL
FG	FIXED GLASS
FH	FIRE HYDRANT - REFER TO HYDRAULIC DOCUMENTATION
FHR	FIRE HOSE REEL - REFER TO HYDRAULIC DOCUMENTATION
FIP	FIRE INDICATOR PANEL TO CONSULTANTS REQUIREMENTS
FL	FLASHING
FLM	VINYL FILM
FR	FIRE RESISTANCE
FRP	FIREPLACE
FT	FLOOR TILES
FW	FLOOR WASTE
G	GLASS
GD	GRATED DRAIN
GL	GLASS LOUVRES
GR	GRAB RAIL
GRD	GARAGE DOOR
GRV	GRAVEL
GP	GRATED PIT - REFER TO HYDRAULIC DOCUMENTATION
GT	GUTTER TRANSOM
GW	GLASS WINDOW
HB	HAND BASIN
HD	HINGED DOOR
HT	HOSE TAP
HWS	HOT WATER SYSTEM
HYD	HYDRAULIC
J	JOINERY
LDY	LAUNDRY
LPL	LIGHT POLE - REFER TO ELECTRICAL DOCUMENTATION
LTB	LETTERBOX
LVR	LOUVRE
MC	METAL CLADDING
MI	MIRROR
MRS	METAL ROOF SHEETING
MWS	METAL WALL SHEETING
NGL	NATURAL GROUND LEVEL
OF	OVERFLOW
OG	OPAQUE GLASS
OPW	OPERABLE WALL
PAV	EXTERNAL PAVING
PB	PLASTERBOARD
PC	POLYCARBONATE SHEETING
PCT	POWDERCOAT
PD	PIVOT DOOR
PN	PINBOARD
PL	PLASTIC LAMINATE
PS	POST - TIMBER
PT	PAINT FINISH
PTN	PARTITION
RC	REINFORCED CONCRETE
RCS	RECONSTITUTED STONE
RL	REDUCED LEVEL
RS	ROLLER SHUTTER
RWH	RAIN WATER HEAD - ALSO REFER HYDRAULIC DOCUMENTATION
RWO	RAIN WATER OUTLET - ALSO REFER HYDRAULIC DOCUMENTATION
RWT	RAINWATER TANK
S	SINK
SC	STONE CLADDING
SD	SLIDING DOOR
SH	SHELF
SKL	SKYLIGHT
SMDB	SUB MAIN DISTRIBUTION BOARD - REFER TO ELECTRICAL DOCUMENTATION
SMP	RAIN WATER SUMP
SS	STAINLESS STEEL
SSD	STAINLESS STEEL STRIP DRAIN
SSL	STRUCTURAL SLAB LEVEL
SV	STACK VENT - REFER TO HYDRAULIC DOCUMENTATION
SWP	SEWER PIPE - REFER TO HYDRAULIC DOCUMENTATION
T	TUBS (LAUNDRY)
TB	TIMBER BEAM
TBR	TIMBER
TC	TIMBER CLADDING
TD	TIMBER DECKING
TF	TIMBER FLOORING
TL	TILE
TP	TAPWARE
TS	TIMBER SOFFIT
TSC	TIMBER SCREEN
TV	TIMBER VENEER
TYP	TYPICAL
VF	VINYL FLOORING
VP	VENT PIPE - REFER TO HYDRAULIC DOCUMENTATION
VS	VINYL SHEETING
WB	WEATHERBOARDS
WC	WATER CLOSET
WR	WALK IN ROBE
#	No. DENOTES TYPE AS SCHEDULED

LEGEND

PROPOSED BUILDINGS

- PROPOSED TOWN HOUSE (2 STOREY)
- PROPOSED TOWN HOUSE (3 STOREY)
- PROPOSED TOWN HOUSE (2 STOREY)
- PROPOSED TOWN HOUSE (2 STOREY)
- EXISTING CABIN BUILDING (PROPOSED RENOVATIONS)
- PROPOSED GARAGE BUILDING
- # No DENOTES TYPE AS SCHEDULED

- D1.05 DOOR MARKER eg. DOOR / LEVEL 1 / DOOR Nº 05
- W1.03 WINDOW MARKER eg. WINDOW / LEVEL 1 / WINDOW Nº 05
- 0.00 EXISTING RL
- 0.00 PROPOSED RL

1 MASTERPLAN
1:1000

EJE ARCHITECTURE
ACN 002 912 043 | ABN 82 846 669 840
Nominated Architect - Bernard Collins
NSW Architects Registration No.4435
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N

REV	DATE	COMMENTS
K	21/08/2024	ISSUE FOR INFORMATION
L	20/09/2024	ISSUE FOR DA
M	24/09/2024	ISSUE FOR DA
N	26/09/2024	ISSUE FOR DA
O	27/09/2024	ISSUE FOR DA
P	3/10/2024	ISSUE FOR DA
Q	23/10/2024	REVISION FOR DA
R	10/02/2025	DRAFT MASTERPLAN FOR INFORMATION
S	4/04/2025	ISSUE FOR DA

DRN	CHKD	VRFD
GVC	PB	BJC
GVC	DW	BJC
GVC	DW	DW
GVC	DW	DW
GVC	DW	DW
GC	DW	DW
DW	DW	BJC
GVC	BJC	BJC
GVC	DW	BJC

PROJECT : WANDA BEACH ESTATE

CLIENT : NEIL SLATER, STEPHEN LAMBOURNE

SITE : 4 FLEET STREET, SALAMANDER BAY NSW 2317 (WORIMI COUNTRY)

DRAWING : MASTERPLAN

FIGURE 6

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

FILENAME : 14076-SK-Townhouse_220913 V25-DA

DRAWN :	DATE :	SCALES @A3 :
GVC	4/04/2025	1:1000

PROJECT No :	PHASE :	DRAWING No :	REV :
14076	DA	A001	S

NOT FOR CONSTRUCTION

EJE architecture

APPENDIX B – SITE PHOTOS

SEPTEMBER FIELDWORK

Company: DRB Engineering
Contact: Paul Wright
Phone: 0439837115
Email: paul@drbengineering.com.au
Title: 4 Fleet Street DSI
Created: Wed, 24/09/2025
No. Items: 62

(1)

Stockpile SP1

Created: Wed, 24/09/2025

Stockpile SP1 located northeast and adjacent a large stockpile of rocks. Assumption is both were excavated simultaneously during previous development works on the property.

(2)

SP1 test pit

Created: Wed, 24/09/2025

Medium to dark brown clayey sand, yellowish gray/reddish orange rocks. Samples 1 and 2 collected.

(3)

SP1 rocks

Created: Wed, 24/09/2025

Yellowish gray rocks.

(4)

SP1

Created: Wed, 24/09/2025

Samples 3 and 4

(5)

SP1

Created: Wed, 24/09/2025

Samples 5 and 6

(6)

SP1

Created: Wed, 24/09/2025

Samples 7 and 8

(7)

SP1

Created: Wed, 24/09/2025

Samples 9 and 10

(8)

SP1

Created: Wed, 24/09/2025

Material consistent across all test pits

(9)

Stockpile SP2

Created: Wed, 24/09/2025

Located to the north of the Site. Stockpile comprises mostly excavated rock with minor soils and some brick inclusions.

(10)

Rocks in SP2

Created: Wed, 24/09/2025

Rocks comprising stockpile 2.

(11)

Brick in SP2

Created: Wed, 24/09/2025

Large chunk of brick within stockpile.

(12)

Additional Brick within SP2

Created: Wed, 24/09/2025

Additional brick observed within exacted pit.

(13)

SP2 Test Pit 1 (TP1)

Created: Wed, 24/09/2025

Samples 1 and 2 collected from excavated test pit. Mainly rock large boulders and smaller. Soil is medium to dark brown, clayey sand, damp, medium density loose.

(14)

SP2 Test Pit 2

Created: Wed, 24/09/2025

Bricks in test pit. Samples 3 and 4 collected

(15)

SP2 TP3

Created: Wed, 24/09/2025

Samples 5 and 6 collected. Soil and rock more bricks and plastic piping.

(16)

Plastic and brick

Created: Wed, 24/09/2025

Plastic and brick in TP3

(17)

SP2 TP4

Created: Wed, 24/09/2025

Similar soil type, reo bar, star picket, plastic bits. Sample 7 and 8 collected.

(18)

SP2 TP5

Created: Wed, 24/09/2025

Soil description same. Bricks also included

(19)

Stockpile 3 Roadbase

Created: Wed, 24/09/2025

Pink and orange angular gravel with asphalt pieces.

(20)

SP5

Created: Wed, 24/09/2025

Asphaltic gravel fill pile located adjacent the pink fill in SP3. Mixed black gravels and asphalt and dark brownish black soil. Medium to coarse grained. Visible asphalt pieces. Approx 15m3

(21)

SP5 TP1

Created: Wed, 24/09/2025

Samples 1 and QC5

(22)

SP5 TP2

Created: Wed, 24/09/2025

Samples 2 and 3

(23)

SP5 TP3

Created: Wed, 24/09/2025

Samples 4 and 5

(24)

SP4-01 Cleared for Soil Sampling

Created: Wed, 24/09/2025

SP4-01. Clayey sand, dark brown, moist medium density. Angular gravel and inclusions

(25)

Fibre board

Created: Wed, 24/09/2025

ASB01 taken from SP4-01

(26)

Rubble in SP4

Created: Wed, 24/09/2025

Broken tiles, concrete, metal, wood SP

(27)

SP4-02

Created: Wed, 24/09/2025

Location cleared of rubble.

(28)

SP4-03

Created: Wed, 24/09/2025

Brown clayey sand dry, loose, low to medium density.

(29)

SP4-04

Created: Wed, 24/09/2025

Brown, clayey sand with small rocks, loose, low to medium density, dry.

(30)

SP04, Fibreboard

Created: Wed, 24/09/2025

Sample ASB02 collected near SP4-04.

(31)

SP4-05

Created: Wed, 24/09/2025

Dark brown-brownish black sandy clay medium density, moist, sitting atop rock. Potentially natural soil above rock.

(32)

BH09

Created: Wed, 24/09/2025

Pink angular gravels similar to those identified in stockpile SP3 to a depth of 100mm followed by yellow sand and a black fine sandy fill. Potentially services backfill. Excavation terminated at 0.2 m bgs due to rock.

(33)

BH10

Created: Wed, 24/09/2025

Mixed fill (possibly from onsite cut to fill activities), compacted gravels and rocks, bricks along with possible natural materials.

(34)

BH10 profile

Created: Wed, 24/09/2025

Angular gravel, rock and brown clayey sand soil from surface to 0.05m followed by fine grained brownish yellow sands to 0.3-0.35m. Rock below at 0.4.

(35)

BH10 profile

Created: Wed, 24/09/2025

Rock visible in profile at 0.4.

(36)

BH11

Created: Wed, 24/09/2025

Dark brown clayey sand with medium to large compacted rocks.

(37)

BH11

Created: Wed, 24/09/2025

Lots of regional rock mixed with soil. Most likely from cut to fill completed to establish and level the Site.

(38)

BH11 profile

Created: Wed, 24/09/2025

Angular gravels and clayey sand from surface to 0.15m, followed by light yellow brown sands to approx 0.55m; including bricks, wood inclusions and large regional rock pieces. Rock coming in below 0.55.

(39)

BH13

Created: Wed, 24/09/2025

Abandoned. Located on rock

(40)

BH12

Created: Wed, 24/09/2025

BH12 comprised dark brown clayey sand fill with large angular rocks with minor amounts of brick.

(41)

BH12 profile

Created: Wed, 24/09/2025

Thin surface gravel layer, mixed dark brown clayey sand and rocks to approx 0.5m . Rocks below. Resistant to excavation.

(42)

BH13 new

Created: Wed, 24/09/2025

Relocated BH13 outside of the shed located southwest of the former conference building.

(43)

BH13

Created: Wed, 24/09/2025

Dark brown sandy clay topsoil containing gravels and roots. Surface sample only.

(44)

BH04

Created: Wed, 24/09/2025

Dark brown clayey sand, moist, medium grained with several medium to large rocks.

(45)

BH04 profile

Created: Wed, 24/09/2025

Angular gravels and brown, clayey sand to approx 0.05m. Clayey sand and rock to approx 0.45m. Plastic abandoned water pipes observed in interval. Rocks below. Refusal.

(46)

BH05

Created: Wed, 24/09/2025

Same description as previous . Slight lighter brown soils. Less moist. More inclusions of angular gravel in surface. No plastic in test pits.

(47)

BH05 profile

Created: Wed, 24/09/2025

Angular gravels to 100mm, dark brown clayey sands and rocks to 0.65. rocks below.

(48)

BH06

Created: Wed, 24/09/2025

Surface angular gravels, clayey sands and rocks below

(49)

BH06 profile

Created: Wed, 24/09/2025

Surface angular gravels and clayey sand to 0.1. 0.1 to 0.35 clayey sand, dark brown loose, 0.35-0.40 red sandy gravel seam medium to coarse grained. 0.40 - 0.6 medium to fine grained sand dark brown. 0.6 to 0.8 light grey brown residual clay, stiff, dry, very dense. Rocks below.

(50)

BH07

Created: Wed, 24/09/2025

Loose sandy clay and angular gravels on top to approximately 0.05m bgs. Deeper are sandy clays and rocks. Rock at 0.15m.

(51)

Rock BH07

Created: Wed, 24/09/2025

Same as previous.

(52)

HA02

Created: Wed, 24/09/2025

Similar profile in all
HA locations, comprising light brown sand with minor gravels. Wet, low density.

(53)

BH08

Created: Wed, 24/09/2025

Pink angular gravels similar to those identified in stockpile SP3 to a depth of 100mm followed by yellow sand and a black fine sandy fill. Observations consistent with adjacent BH09.

(54)

BH02

Created: Wed, 24/09/2025

Angular gravels and surface sands light brown/brown dry to 0.1 m bgs 0.1 - 0.7 m bgs dark brown sand fill, loose damp. Below 0.7 m bgs , reddish grey hard rock.

(55)

BH14 Profile

Created: Wed, 24/09/2025

Angular gravel to 0.1 m bgs, dark brown sandy fill to 1 m bg, mixed with rocks and gravels. Minor plastic and pvc in backfill.

(56)

BH19

Created: Wed, 24/09/2025

Services corridor along northern boundary, surface only. Dark brown clayey sand topsoil. Loose, slightly moist.

(57)

BH14

Created: Wed, 24/09/2025

Possible former pool backfill.

(58)

BH15 Profile

Created: Wed, 24/09/2025

Surface angular gravels and sands, dark brown, dry, loose. Deeper 0.1 - 0.3 m bgs yellow brown sands and rocks.

(59)

BH01

Created: Wed, 24/09/2025

Dark brown clayey sand topsoil with minor rocks.

(60)

BH03

Created: Wed, 24/09/2025

Same as BH01

(61)

BH16

Created: Wed, 24/09/2025

All orange fine-grained, yellow bedding sand to 0.2 m bgs.

(62)

BH17

Created: Wed, 24/09/2025

Surface light grey and brown coarse gravel and dark brown sandy fill.

OCTOBER FIELDWORK

Company: DRB Engineering
Contact: Paul Wright
Phone: 0439837115
Email: paul@drbengineering.com.au

Title: 4 Fleet Street Day 2
Created: Wed, 15/10/2025
No. Items: 20

(1)

BH17 facing North

Created: Wed, 15/10/2025

Viewing north across the BH17 impacted area. Gravel observed to be spread downgradient with minimal east west and southern impact.

(2)

Further north from BH17

Created: Wed, 15/10/2025

Lateral spread from BH17 to the north. Grey material evident downgradient.

(3)

Viewing South BH17

Created: Wed, 15/10/2025

Minimal evidence of light grey gravel in situ.

(4)

East from BH17

Created: Wed, 15/10/2025

Minimal spread of light grey material to the east.

(5)

West from BH17

Created: Wed, 15/10/2025

Minimal lateral spread to the west.

(6)

DL-SOUTH-01

Created: Wed, 15/10/2025

Light grey gravelly material with dark brown sands.

(7)

SL-SOUTH-03

Created: Wed, 15/10/2025

Brown sandy clay with gravel inclusions. Low density dry.

(8)

DL-SOUTH-02 and 01

Created: Wed, 15/10/2025

02 location in foreground 01 location to the back (north) separated by approximately 3m.

(9)

DL-SOUTH-03

Created: Wed, 15/10/2025

03 in foreground , BH16 visible to the east

(10)

DL-NORTH-01

Created: Wed, 15/10/2025

3m north of BH17. NORTH-01 in foreground.

(11)

NORTH-01

Created: Wed, 15/10/2025

Brown sandy clay with inclusions of black rock. Almost like coal.

(12)

Asphalt within rocks

Created: Wed, 15/10/2025

Asphalt between rocks just south of BH17

(13)

Asphalt neat BH17

Created: Wed, 15/10/2025

Additional asphaltic pieces within rocks.

(14)

DL-NORTH-02

Created: Wed, 15/10/2025

3m north of NORTH-01. There is Asphaltic Asphaltic pavement pieces approx 0.5 m south of North-02

(15)

Asphalt piece

Created: Wed, 15/10/2025

(16)

EAST-01

Created: Wed, 15/10/2025

Light brown dry fine clayey sand. Gravel inclusions.

(17)

EAST-02

Created: Wed, 15/10/2025

(18)

WEST-01

Created: Wed, 15/10/2025

Light brown clayey sand dry with black shaley rock and gravel

(19)

WEST-02

Created: Wed, 15/10/2025

Same description as WEST-01 bricks visible in surface

(20)

Impact Length S-N and width E-W

Created: Wed, 15/10/2025

15m from South 03 to North 02 and approx 4.5m wide

APPENDIX C – DATA TABLES

TABLE 1 - SOIL DATA

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	Waste Classification Guidelines CT2	BH01-0.1	BH02-0.1	BH02-0.5	BH03-0.1	BH04-0.1	BH04-0.4	BH05-0.1	BH05-0.5	BH06-0.1	BH06-0.6	BH07-0.1	BH08-0.1	BH09-0.1	BH09-0.2
BTEX																					
Benzene	mg/kg	**0.1**	0.5	50		10	40	< 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
Ethylbenzene	mg/kg	**0.1**	55	70		600	2400	< 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
m&p-Xylenes	mg/kg	**0.2**						< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	mg/kg	**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
Toluene	mg/kg	**0.1**	160	85		288	1152	< 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
Xylenes - Total*	mg/kg	**0.3**	40	105		1000	4000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	**0.5**	3																		
Heavy Metals																					
Arsenic	mg/kg	**2**	100	100		100	400	3.1	3.9	5.7	4.9	5.2	4.4	5.3	5.4	4.2	2.5	5.8	5.5	5.5	6.1
Cadmium	mg/kg	**0.4**	20			20	80	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	mg/kg	**5**	100	190		100	400	6.8	< 5	< 5	< 5	< 5	< 5	5.6	< 5	< 5	< 5	< 5	5.9	15	< 5
Copper	mg/kg	**5**	6000	60				5.3	< 5	5.1	5.3	< 5	< 5	< 5	< 5	6.3	5.6	< 5	< 5	< 5	< 5
Lead	mg/kg	**5**	300	1,100		100	400	7.9	9.3	11	14	14	13	12	12	9.9	17	11	11	14	16
Mercury	mg/kg	**0.1**	40			4	16	< 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
Nickel	mg/kg	**5**	400	30		40	160	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Zinc	mg/kg	**5**	7400	70	210 (HA/BH) 910 (SP)			32	28	79	38	29	41	42	39	38	18	37	31	22	31
Organochlorine Pesticides																					
4.4'-DDD	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
4.4'-DDE	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
4.4'-DDT	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
a-HCH	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Aldrin	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Aldrin and Dieldrin (Total)*	mg/kg	**0.05**	6					< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
b-HCH	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Chlordanes - Total	mg/kg	**0.1**	50					< 1	< 0.1	-	< 0.1	< 0.1	-	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	-
DDT + DDE + DDD (Total)*	mg/kg	**0.05**	240					< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
d-HCH	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Dieldrin	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Endosulfan I	mg/kg	**0.05**	270					< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Endosulfan II	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Endosulfan sulphate	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Endrin	mg/kg	**0.05**	10					< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Endrin aldehyde	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Endrin ketone	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
g-HCH (Lindane)	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Heptachlor	mg/kg	**0.05**	6					< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Heptachlor epoxide	mg/kg	**0.05**						< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Hexachlorobenzene	mg/kg	**0.05**	10					< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Methoxychlor	mg/kg	**0.05**	300					< 0.5	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-
Toxaphene	mg/kg	**0.05**	20					< 10	< 0.5	-	< 0.5	< 0.5	-	< 0.5	-	< 0.5	-	< 0.5	< 0.5	< 0.5	-
Vic EPA IWRG 621 OCP (Total)*	mg/kg	**0.1**						< 1	< 0.1	-	< 0.1	< 0.1	-	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	mg/kg	**0.1**						< 1	< 0.1	-	< 0.1	< 0.1	-	< 0.1	-	< 0.1	-	< 0.1	< 0.1	< 0.1	-
Organophosphorus Pesticides																					
Azinphos-methyl	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Bolstar	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Chlorfenvinphos	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos	mg/kg	**0.2**	160					< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos-methyl	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Coumaphos	mg/kg	**2**						< 5	< 2	-	< 2	< 2	-	< 2	-	< 2	-	< 2	< 2	< 2	-
Demeton-O	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Demeton-S	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Diazinon	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Dichlorvos	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Dimethoate	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Disulfoton	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
EPN	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Ethion	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Ethoprop	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Ethyl parathion	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Fenitrothion	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Fensulfothion	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Fenthion	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Malathion	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Merphos	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Methyl parathion	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Mevinphos	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Monocrotophos	mg/kg	**2**						< 5	< 2	-	< 2	< 2	-	< 2	-	< 2	-	< 2	< 2	< 2	-
Naled	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Omethoate	mg/kg	**0.2**						< 5	< 2	-	< 2	< 2	-	< 2	-	< 2	-	< 2	< 2	< 2	-
Phorate	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Pirimiphos-methyl	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Pyrazophos	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Ronnel	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Terbufos	mg/kg	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	Waste Classification Guidelines CT2	BH01-0.1	BH02-0.1	BH02-0.5	BH03-0.1	BH04-0.1	BH04-0.4	BH05-0.1	BH05-0.5	BH06-0.1	BH06-0.6	BH07-0.1	BH08-0.1	BH09-0.1	BH09-0.2
Tetrachlorvinphos	**mg/kg**	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Tokuthion	**mg/kg**	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Trichloronate	**mg/kg**	**0.2**						< 0.5	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	< 0.2	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.9	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	**mg/kg**	**0.5**		20		0.8	3.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	4.3	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	6.1	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	**mg/kg**	**0.5**	3					0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	6.1	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	**mg/kg**	**0.5**						1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	6.1	1.2	1.2	1.2	1.2
Benzo(b&j)fluoranthene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.4	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.4	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.5	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.6	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	12	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.9	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	4.9	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	11	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	**mg/kg**	**0.5**	300			200	800	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	53	< 0.5	< 0.5	< 0.5	< 0.5
TRH - 1999 NEPM																					
TRH C10-C14	**mg/kg**	**20**						< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH C10-C36 (Total)	**mg/kg**	**50**				10000	40,000	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	84	< 50	< 50	234	210
TRH C15-C28	**mg/kg**	**50**						< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	84	< 50	< 50	170	110
TRH C29-C36	**mg/kg**	**50**						< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	64	100
TRH C6-C9	**mg/kg**	**20**				650	2,600	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH - 2013 NEPM																					
Naphthalene	**mg/kg**	**0.5**						< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16	**mg/kg**	**50**						< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*	**mg/kg**	**50**	110	120				< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH >C10-C40 (total)*	**mg/kg**	**100**						< 200	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	210	170
TRH >C16-C34	**mg/kg**	**100**		300				< 200	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	210	170
TRH >C34-C40	**mg/kg**	**100**		2800				< 200	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
TRH C6-C10	**mg/kg**	**20**						< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)	**mg/kg**	**20**	45	180				< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	BH10-0.1	BH10-0.3	BH11-0.1	BH11-0.6	BH12-0.1	BH12-0.4	BH13-0.1	BH14-0.1	BH14-0.5	BH15-0.1	BH15-0.3	BH16-0.1	SP1-01	SP1-02	SP1-03
BTEX																					
Benzene	mg/kg	**0.1**	0.5	50		10	< 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
Ethylbenzene	mg/kg	**0.1**	55	70		600	< 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
m&p-Xylenes	mg/kg	**0.2**					< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	mg/kg	**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
Toluene	mg/kg	**0.1**	160	85		288	< 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
Xylenes - Total*	mg/kg	**0.3**	40	105		1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	**0.5**	3																		
Heavy Metals																					
Arsenic	mg/kg	**2**	100	100		100	8.3	3.7	3.8	5.4	9.5	4.5	17	4.5	3.6	7.7	6.1	6.1	3.3	3	2.9
Cadmium	mg/kg	**0.4**	20			20	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	mg/kg	**5**	100	190		100	8.8	< 5	< 5	< 5	< 5	< 5	8	< 5	< 5	5.2	< 5	< 5	< 5	< 5	< 5
Copper	mg/kg	**5**	6000	60			15	< 5	< 5	6.8	< 5	< 5	21	< 5	5.2	< 5	< 5	6.7	< 5	7.2	6.7
Lead	mg/kg	**5**	300	1,100		100	11	< 5	16	12	24	17	19	9.1	8.6	11	7.2	5.8	14	25	21
Mercury	mg/kg	**0.1**	40			4	< 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
Nickel	mg/kg	**5**	400	30		40	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Zinc	mg/kg	**5**	7400	70	210 (HA/BH) 910 (SP)		61	8.3	28	21	29	29	110	29	37	35	18	25	32	48	38
Organochlorine Pesticides																					
4.4'-DDD	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
4.4'-DDE	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
4.4'-DDT	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
a-HCH	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Aldrin	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Aldrin and Dieldrin (Total)*	mg/kg	**0.05**	6				< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
b-HCH	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Chlordanes - Total	mg/kg	**0.1**	50				< 0.1	-	< 0.1	-	< 0.1	-	< 0.1	< 0.1	-	< 0.1	-	< 0.1	-	-	-
DDT + DDE + DDD (Total)*	mg/kg	**0.05**	240				< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
d-HCH	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Dieldrin	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Endosulfan I	mg/kg	**0.05**	270				< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Endosulfan II	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Endosulfan sulphate	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Endrin	mg/kg	**0.05**	10				< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Endrin aldehyde	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Endrin ketone	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
g-HCH (Lindane)	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Heptachlor	mg/kg	**0.05**	6				< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Heptachlor epoxide	mg/kg	**0.05**					< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Hexachlorobenzene	mg/kg	**0.05**	10				< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Methoxychlor	mg/kg	**0.05**	300				< 0.05	-	< 0.05	-	< 0.05	-	< 0.05	< 0.05	-	< 0.05	-	< 0.05	-	-	-
Toxaphene	mg/kg	**0.05**	20				< 0.5	-	< 0.5	-	< 0.5	-	< 0.5	< 0.5	-	< 0.5	-	< 0.5	-	-	-
Vic EPA IWRG 621 OCP (Total)*	mg/kg	**0.1**					< 0.1	-	< 0.1	-	< 0.1	-	< 0.1	< 0.1	-	< 0.1	-	< 0.1	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	mg/kg	**0.1**					< 0.1	-	< 0.1	-	< 0.1	-	< 0.1	< 0.1	-	< 0.1	-	< 0.1	-	-	-
Organophosphorus Pesticides																					
Azinphos-methyl	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Bolstar	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Chlorfenvinphos	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Chlorpyrifos	mg/kg	**0.2**	160				< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Chlorpyrifos-methyl	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Coumaphos	mg/kg	**2**					< 2	-	< 2	-	< 2	-	< 2	< 2	-	< 2	-	< 2	-	-	-
Demeton-O	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Demeton-S	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Diazinon	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Dichlorvos	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Dimethoate	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Disulfoton	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
EPN	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Ethion	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Ethoprop	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Ethyl parathion	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Fenitrothion	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Fensulfothion	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Fenthion	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Malathion	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Merphos	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Methyl parathion	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Mevinphos	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Monocrotophos	mg/kg	**2**					< 2	-	< 2	-	< 2	-	< 2	< 2	-	< 2	-	< 2	-	-	-
Naled	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Omethoate	mg/kg	**0.2**					< 2	-	< 2	-	< 2	-	< 2	< 2	-	< 2	-	< 2	-	-	-
Phorate	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Pirimiphos-methyl	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Pyrazophos	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Ronnel	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Terbufos	mg/kg	**0.2**					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	BH10-0.1	BH10-0.3	BH11-0.1	BH11-0.6	BH12-0.1	BH12-0.4	BH13-0.1	BH14-0.1	BH14-0.5	BH15-0.1	BH15-0.3	BH16-0.1	SP1-01	SP1-02	SP1-03
Tetrachlorvinphos	mg/kg	0.2					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Tokuthion	mg/kg	0.2					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Trichloronate	mg/kg	0.2					< 0.2	-	< 0.2	-	< 0.2	-	< 0.2	< 0.2	-	< 0.2	-	< 0.2	-	-	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	mg/kg	0.5		20		0.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	mg/kg	0.5	3				0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	mg/kg	0.5					1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Benzo(b&j)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	mg/kg	0.5	300			200	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRH - 1999 NEPM																					
TRH C10-C14	mg/kg	20					< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH C10-C36 (Total)	mg/kg	50				10000	< 50	< 50	< 50	145	255	570	52	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH C15-C28	mg/kg	50					< 50	< 50	< 50	93	85	200	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH C29-C36	mg/kg	50					< 50	< 50	< 50	52	170	370	52	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH C6-C9	mg/kg	20				650	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH - 2013 NEPM																					
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16	mg/kg	50					< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*	mg/kg	50	110	120			< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH >C10-C40 (total)*	mg/kg	100					< 100	< 100	< 100	120	400	820	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
TRH >C16-C34	mg/kg	100		300			< 100	< 100	< 100	120	220	480	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
TRH >C34-C40	mg/kg	100		2800			< 100	< 100	< 100	< 100	180	340	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
TRH C6-C10	mg/kg	20					< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)	mg/kg	20	45	180			< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	SP1-04	SP1-05	SP1-06	SP1-07	SP1-08	SP1-09	SP1-10	SP2-01	SP2-02	SP2-03	SP2-04	SP2-05	SP2-06	SP2-07	SP2-08
BTEX																					
Benzene	mg/kg	**0.1**	0.5	50		10	< 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
Ethylbenzene	mg/kg	**0.1**	55	70		600	< 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
m&p-Xylenes	mg/kg	**0.2**					< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	mg/kg	**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
Toluene	mg/kg	**0.1**	160	85		288	< 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
Xylenes - Total*	mg/kg	**0.3**	40	105		1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	**0.5**	3																		
Heavy Metals																					
Arsenic	mg/kg	**2**	100	100		100	2.3	4.1	3.8	7.1	5	6.6	5.4	6.1	5.6	3.8	7.5	11	6.8	6.5	6.3
Cadmium	mg/kg	**0.4**	20			20	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	mg/kg	**5**	100	190		100	< 5	< 5	< 5	6.3	< 5	5.1	< 5	< 5	< 5	< 5	5.8	< 5	< 5	6.4	< 5
Copper	mg/kg	**5**	6000	60			5.9	5.1	5.4	6.5	< 5	6.7	6.8	< 5	< 5	< 5	< 5	< 5	< 5	5.4	< 5
Lead	mg/kg	**5**	300	1,100		100	17	7.7	8.8	15	7.5	15	8.5	11	15	8	15	19	15	14	13
Mercury	mg/kg	**0.1**	40			4	< 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
Nickel	mg/kg	**5**	400	30		40	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Zinc	mg/kg	**5**	7400	70	210 (HA/BH) 910 (SP)		26	37	36	56	38	52	38	17	34	24	41	31	35	93	76
Organochlorine Pesticides																					
4.4'-DDD	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4'-DDE	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4'-DDT	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin and Dieldrin (Total)*	mg/kg	**0.05**	6				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordanes - Total	mg/kg	**0.1**	50				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT + DDE + DDD (Total)*	mg/kg	**0.05**	240				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	mg/kg	**0.05**	270				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulphate	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	**0.05**	10				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g-HCH (Lindane)	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	**0.05**	6				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	**0.05**	10				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	mg/kg	**0.05**	300				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	**0.05**	20				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vic EPA IWRG 621 OCP (Total)*	mg/kg	**0.1**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	mg/kg	**0.1**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organophosphorus Pesticides																					
Azinphos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bolstar	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos	mg/kg	**0.2**	160				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coumaphos	mg/kg	**2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-O	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-S	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorvos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethoate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disulfoton	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPN	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethoprop	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl parathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenitrothion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fensulfothion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenthion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl parathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mevinphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monocrotophos	mg/kg	**2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naled	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Omethoate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pirimiphos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrazophos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ronnel	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Terbufos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	SP1-04	SP1-05	SP1-06	SP1-07	SP1-08	SP1-09	SP1-10	SP2-01	SP2-02	SP2-03	SP2-04	SP2-05	SP2-06	SP2-07	SP2-08
Tetrachlorvinphos	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tokuthion	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloronate	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	mg/kg	0.5		20		0.8	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	mg/kg	0.5	3				0.6	0.6	0.6	0.6	1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	mg/kg	0.5					1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Benzo(b&j)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	mg/kg	0.5	300			200	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRH - 1999 NEPM																					
TRH C10-C14	mg/kg	20					< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH C10-C36 (Total)	mg/kg	50				10000	< 50	< 50	< 50	< 50	87	< 50	< 50	< 50	69	< 50	< 50	< 50	< 50	< 50	< 50
TRH C15-C28	mg/kg	50					< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH C29-C36	mg/kg	50					< 50	< 50	< 50	< 50	87	< 50	< 50	< 50	69	< 50	< 50	< 50	< 50	< 50	< 50
TRH C6-C9	mg/kg	20				650	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH - 2013 NEPM																					
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16	mg/kg	50					< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*	mg/kg	50	110	120			< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
TRH >C10-C40 (total)*	mg/kg	100					< 100	< 100	< 100	< 100	110	< 100	< 100	< 100	120	< 100	< 100	< 100	< 100	< 100	< 100
TRH >C16-C34	mg/kg	100		300			< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
TRH >C34-C40	mg/kg	100		2800			< 100	< 100	< 100	< 100	110	< 100	< 100	< 100	120	< 100	< 100	< 100	< 100	< 100	< 100
TRH C6-C10	mg/kg	20					< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)	mg/kg	20	45	180			< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	SP2-09	SP2-10	SP3-01	SP3-02	SP3-03	SP3-04	SP3-05	SP3-06	SP3-07	SP3-08	SP3-09	SP3-10	SP4-01	SP4-02	SP4-03
BTEX																					
Benzene	mg/kg	**0.1**	0.5	50		10	< 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
Ethylbenzene	mg/kg	**0.1**	55	70		600	< 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
m&p-Xylenes	mg/kg	**0.2**					< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	mg/kg	**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
Toluene	mg/kg	**0.1**	160	85		288	< 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
Xylenes - Total*	mg/kg	**0.3**	40	105		1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	**0.5**	3																		
Heavy Metals																					
Arsenic	mg/kg	**2**	100	100		100	5.1	6.9	4.6	2.7	3.5	4.6	3.3	4.9	4.5	3.4	2.4	4.2	5.5	5.6	12
Cadmium	mg/kg	**0.4**	20			20	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	mg/kg	**5**	100	190		100	< 5	< 5	24	11	12	12	7.1	16	14	7.8	7.7	13	8.1	8.8	5.7
Copper	mg/kg	**5**	6000	60			< 5	< 5	8.1	< 5	< 5	< 5	< 5	7.6	< 5	< 5	< 5	< 5	10	10	< 5
Lead	mg/kg	**5**	300	1,100		100	13	14	18	13	17	18	17	19	18	16	11	17	11	15	6.8
Mercury	mg/kg	**0.1**	40			4	< 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
Nickel	mg/kg	**5**	400	30		40	< 5	< 5	6.6	< 5	< 5	< 5	< 5	5.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Zinc	mg/kg	**5**	7400	70	210 (HA/BH) 910 (SP)		30	34	45	23	23	32	29	38	40	29	17	28	61	200	33
Organochlorine Pesticides																					
4.4'-DDD	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4'-DDE	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4'-DDT	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin and Dieldrin (Total)*	mg/kg	**0.05**	6				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordanes - Total	mg/kg	**0.1**	50				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT + DDE + DDD (Total)*	mg/kg	**0.05**	240				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	mg/kg	**0.05**	270				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulphate	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	**0.05**	10				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g-HCH (Lindane)	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	**0.05**	6				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	**0.05**	10				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	mg/kg	**0.05**	300				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	**0.05**	20				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vic EPA IWRG 621 OCP (Total)*	mg/kg	**0.1**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	mg/kg	**0.1**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organophosphorus Pesticides																					
Azinphos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bolstar	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos	mg/kg	**0.2**	160				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coumaphos	mg/kg	**2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-O	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-S	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorvos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethoate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disulfoton	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPN	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethoprop	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl parathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenitrothion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fensulfothion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenthion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl parathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mevinphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monocrotophos	mg/kg	**2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naled	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Omethoate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pirimiphos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrazophos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ronnel	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Terbufos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	SP2-09	SP2-10	SP3-01	SP3-02	SP3-03	SP3-04	SP3-05	SP3-06	SP3-07	SP3-08	SP3-09	SP3-10	SP4-01	SP4-02	SP4-03
Tetrachlorvinphos	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tokuthion	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloronate	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	mg/kg	0.5		20		0.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	mg/kg	0.5	3				0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	mg/kg	0.5					1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Benzo(b&j)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6
Total PAH*	mg/kg	0.5	300			200	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6
TRH - 1999 NEPM																					
TRH C10-C14	mg/kg	20					< 20	< 20	< 20	82	< 100	< 40	< 100	< 100	< 40	< 100	< 20	< 100	< 40	< 20	< 20
TRH C10-C36 (Total)	mg/kg	50				10000	< 50	< 50	94	212	320	< 100	< 250	< 250	130	660	790	370	< 100	< 50	< 50
TRH C15-C28	mg/kg	50					< 50	< 50	< 50	130	< 250	< 100	< 250	< 250	< 100	< 250	170	< 250	< 100	< 50	< 50
TRH C29-C36	mg/kg	50					< 50	< 50	94	< 100	320	< 100	< 250	< 250	130	660	620	370	< 100	< 50	< 50
TRH C6-C9	mg/kg	20				650	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH - 2013 NEPM																					
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16	mg/kg	50					< 50	< 50	< 50	< 100	< 250	< 100	< 250	< 250	< 100	< 250	< 50	< 250	< 100	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*	mg/kg	50	110	120			< 50	< 50	< 50	< 100	< 250	< 100	< 250	< 250	< 100	< 250	< 50	< 250	< 100	< 50	< 50
TRH >C10-C40 (total)*	mg/kg	100					< 100	< 100	150	< 200	< 500	< 200	< 500	< 500	320	1650	1980	720	< 200	< 100	< 100
TRH >C16-C34	mg/kg	100		300			< 100	< 100	< 100	< 200	< 500	< 200	< 500	< 500	< 200	550	580	< 500	< 200	< 100	< 100
TRH >C34-C40	mg/kg	100		2800			< 100	< 100	150	< 200	< 500	< 200	< 500	< 500	320	1100	1400	720	< 200	< 100	< 100
TRH C6-C10	mg/kg	20					< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)	mg/kg	20	45	180			< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	SP4-04	SP4-05	HA01	HA02	HA03	SP5-01	SP5-02	SP5-03	SP5-04	SP5-05	BH18-0.1	BH19-0.1	BH17_0.1	DL-NORTH-01	DL-NORTH-02
BTEX																					
Benzene	mg/kg	**0.1**	0.5	50		10	< 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	-	-
Ethylbenzene	mg/kg	**0.1**	55	70		600	< 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	-	-
m&p-Xylenes	mg/kg	**0.2**					< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-	-
o-Xylene	mg/kg	**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	-	-
Toluene	mg/kg	**0.1**	160	85		288	< 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	-	-
Xylenes - Total*	mg/kg	**0.3**	40	105		1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	-
Naphthalene	mg/kg	**0.5**	3																	-	-
Heavy Metals																					
Arsenic	mg/kg	**2**	100	100		100	34	5.9	4.1	3.8	3.3	< 2	< 2	2.2	2.1	3.3	4.5	3.3	4.7	-	-
Cadmium	mg/kg	**0.4**	20			20	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	-	-
Chromium	mg/kg	**5**	100	190		100	9.2	7.2	6.2	< 5	< 5	< 5	< 5	< 5	< 5	7.8	< 5	< 5	< 5	-	-
Copper	mg/kg	**5**	6000	60			12	< 5	< 5	5.6	< 5	< 5	< 5	< 5	< 5	< 5	5.1	6.3	70	-	-
Lead	mg/kg	**5**	300	1,100		100	10	12	13	12	9.3	8.4	6.3	7.8	9.8	9.7	10	8.9	13	-	-
Mercury	mg/kg	**0.1**	40			4	< 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	-	-
Nickel	mg/kg	**5**	400	30		40	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	-
Zinc	mg/kg	**5**	7400	70	210 (HA/BH) 910 (SP)		53	34	90	30	130	29	27	24	35	30	32	27	37	-	-
Organochlorine Pesticides																					
4.4'-DDD	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4'-DDE	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4'-DDT	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin and Dieldrin (Total)*	mg/kg	**0.05**	6				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordanes - Total	mg/kg	**0.1**	50				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT + DDE + DDD (Total)*	mg/kg	**0.05**	240				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d-HCH	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	mg/kg	**0.05**	270				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulphate	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	**0.05**	10				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g-HCH (Lindane)	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	**0.05**	6				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	**0.05**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	**0.05**	10				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	mg/kg	**0.05**	300				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	**0.05**	20				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vic EPA IWRG 621 OCP (Total)*	mg/kg	**0.1**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	mg/kg	**0.1**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																				-	-
Organophosphorus Pesticides																				-	-
Azinphos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bolstar	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos	mg/kg	**0.2**	160				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorpyrifos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coumaphos	mg/kg	**2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-O	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-S	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorvos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethoate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disulfoton	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPN	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethoprop	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl parathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenitrothion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fensulfothion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenthion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl parathion	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mevinphos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monocrotophos	mg/kg	**2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naled	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Omethoate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pirimiphos-methyl	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrazophos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ronnel	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Terbufos	mg/kg	**0.2**					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	SP4-04	SP4-05	HA01	HA02	HA03	SP5-01	SP5-02	SP5-03	SP5-04	SP5-05	BH18-0.1	BH19-0.1	BH17_0.1	DL-NORTH-01	DL-NORTH-02
Tetrachlorvinphos	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tokuthion	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloronate	mg/kg	0.2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.8	< 0.5	< 0.5
Acenaphthylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5
Anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	7.9	< 0.5	< 0.5
Benz(a)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	16	< 0.5	< 0.5
Benzo(a)pyrene	mg/kg	0.5		20		0.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	18	0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	27	0.6	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	mg/kg	0.5	3				0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	27	0.9	0.6
Benzo(a)pyrene TEQ (upper bound) *	mg/kg	0.5					1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	27	1.2	1.2
Benzo(b&j)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	12	< 0.5	< 0.5
Benzo(g.h.i)perylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	14	< 0.5	< 0.5
Benzo(k)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	17	0.6	< 0.5
Chrysene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	17	< 0.5	< 0.5
Dibenz(a.h)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.9	< 0.5	< 0.5
Fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	56	1.3	0.5
Fluorene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.2	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	10	< 0.5	< 0.5
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1	< 0.5	< 0.5
Phenanthrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	35	0.6	< 0.5
Pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	50	1.1	< 0.5
Total PAH*	mg/kg	0.5	300			200	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	260	4.1	0.5
TRH - 1999 NEPM																					
TRH C10-C14	mg/kg	20					< 20	< 20	< 20	< 20	< 20	< 100	< 100	26	< 100	< 100	< 20	< 20	46	-	-
TRH C10-C36 (Total)	mg/kg	50				10000	< 50	< 50	< 50	< 50	162	1250	2050	1816	1700	830	< 50	90	826	-	-
TRH C15-C28	mg/kg	50					< 50	< 50	< 50	< 50	69	270	450	390	400	< 250	< 50	< 50	560	-	-
TRH C29-C36	mg/kg	50					< 50	< 50	< 50	< 50	93	980	1600	1400	1300	830	< 50	90	220	-	-
TRH C6-C9	mg/kg	20				650	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	-	-
TRH - 2013 NEPM																					
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-
TRH >C10-C16	mg/kg	50					< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 50	< 250	< 250	< 50	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)*	mg/kg	50	110	120			< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 50	< 250	< 250	< 50	< 50	< 50	-	-
TRH >C10-C40 (total)*	mg/kg	100					< 100	< 100	< 100	< 100	140	2290	4800	4100	3100	2040	< 100	150	890	-	-
TRH >C16-C34	mg/kg	100		300			< 100	< 100	< 100	< 100	140	890	1500	1300	1200	640	< 100	< 100	710	-	-
TRH >C34-C40	mg/kg	100		2800			< 100	< 100	< 100	< 100	< 100	1400	3300	2800	1900	1400	< 100	150	180	-	-
TRH C6-C10	mg/kg	20					< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)	mg/kg	20	45	180			< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	-	-

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	DL-EAST-01	DL-EAST-02	DL-SOUTH-01	DL-SOUTH-02	DL-WEST-01	DL-WEST-02	DL-SOUTH-03
BTEX													
Benzene	mg/kg	0.1	0.5	50		10	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.1	55	70		600	-	-	-	-	-	-	-
m&p-Xylenes	mg/kg	0.2					-	-	-	-	-	-	-
o-Xylene	mg/kg	0.1					-	-	-	-	-	-	-
Toluene	mg/kg	0.1	160	85		288	-	-	-	-	-	-	-
Xylenes - Total*	mg/kg	0.3	40	105		1000	-	-	-	-	-	-	-
Naphthalene	mg/kg	0.5	3				-	-	-	-	-	-	-
Heavy Metals													
Arsenic	mg/kg	2	100	100		100	-	-	-	-	-	-	-
Cadmium	mg/kg	0.4	20			20	-	-	-	-	-	-	-
Chromium	mg/kg	5	100	190		100	-	-	-	-	-	-	-
Copper	mg/kg	5	6000	60			-	-	-	-	-	-	-
Lead	mg/kg	5	300	1,100		100	-	-	-	-	-	-	-
Mercury	mg/kg	0.1	40			4	-	-	-	-	-	-	-
Nickel	mg/kg	5	400	30		40	-	-	-	-	-	-	-
Zinc	mg/kg	5	7400	70	210 (HA/BH) 910 (SP)		-	-	-	-	-	-	-
Organochlorine Pesticides													
4.4'-DDD	mg/kg	0.05					-	-	-	-	-	-	-
4.4'-DDE	mg/kg	0.05					-	-	-	-	-	-	-
4.4'-DDT	mg/kg	0.05					-	-	-	-	-	-	-
a-HCH	mg/kg	0.05					-	-	-	-	-	-	-
Aldrin	mg/kg	0.05					-	-	-	-	-	-	-
Aldrin and Dieldrin (Total)*	mg/kg	0.05	6				-	-	-	-	-	-	-
b-HCH	mg/kg	0.05					-	-	-	-	-	-	-
Chlordanes - Total	mg/kg	0.1	50				-	-	-	-	-	-	-
DDT + DDE + DDD (Total)*	mg/kg	0.05	240				-	-	-	-	-	-	-
d-HCH	mg/kg	0.05					-	-	-	-	-	-	-
Dieldrin	mg/kg	0.05					-	-	-	-	-	-	-
Endosulfan I	mg/kg	0.05	270				-	-	-	-	-	-	-
Endosulfan II	mg/kg	0.05					-	-	-	-	-	-	-
Endosulfan sulphate	mg/kg	0.05					-	-	-	-	-	-	-
Endrin	mg/kg	0.05	10				-	-	-	-	-	-	-
Endrin aldehyde	mg/kg	0.05					-	-	-	-	-	-	-
Endrin ketone	mg/kg	0.05					-	-	-	-	-	-	-
g-HCH (Lindane)	mg/kg	0.05					-	-	-	-	-	-	-
Heptachlor	mg/kg	0.05	6				-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0.05					-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.05	10				-	-	-	-	-	-	-
Methoxychlor	mg/kg	0.05	300				-	-	-	-	-	-	-
Toxaphene	mg/kg	0.05	20				-	-	-	-	-	-	-
Vic EPA IWRG 621 OCP (Total)*	mg/kg	0.1					-	-	-	-	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	mg/kg	0.1					-	-	-	-	-	-	-
							-	-	-	-	-	-	-
Organophosphorus Pesticides							-	-	-	-	-	-	-
Azinphos-methyl	mg/kg	0.2					-	-	-	-	-	-	-
Bolstar	mg/kg	0.2					-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.2					-	-	-	-	-	-	-
Chlorpyrifos	mg/kg	0.2	160				-	-	-	-	-	-	-
Chlorpyrifos-methyl	mg/kg	0.2					-	-	-	-	-	-	-
Coumaphos	mg/kg	2					-	-	-	-	-	-	-
Demeton-O	mg/kg	0.2					-	-	-	-	-	-	-
Demeton-S	mg/kg	0.2					-	-	-	-	-	-	-
Diazinon	mg/kg	0.2					-	-	-	-	-	-	-
Dichlorvos	mg/kg	0.2					-	-	-	-	-	-	-
Dimethoate	mg/kg	0.2					-	-	-	-	-	-	-
Disulfoton	mg/kg	0.2					-	-	-	-	-	-	-
EPN	mg/kg	0.2					-	-	-	-	-	-	-
Ethion	mg/kg	0.2					-	-	-	-	-	-	-
Ethoprop	mg/kg	0.2					-	-	-	-	-	-	-
Ethyl parathion	mg/kg	0.2					-	-	-	-	-	-	-
Fenitrothion	mg/kg	0.2					-	-	-	-	-	-	-
Fensulfothion	mg/kg	0.2					-	-	-	-	-	-	-
Fenthion	mg/kg	0.2					-	-	-	-	-	-	-
Malathion	mg/kg	0.2					-	-	-	-	-	-	-
Merphos	mg/kg	0.2					-	-	-	-	-	-	-
Methyl parathion	mg/kg	0.2					-	-	-	-	-	-	-
Mevinphos	mg/kg	0.2					-	-	-	-	-	-	-
Monocrotophos	mg/kg	2					-	-	-	-	-	-	-
Naled	mg/kg	0.2					-	-	-	-	-	-	-
Omethoate	mg/kg	0.2					-	-	-	-	-	-	-
Phorate	mg/kg	0.2					-	-	-	-	-	-	-
Pirimiphos-methyl	mg/kg	0.2					-	-	-	-	-	-	-
Pyrazophos	mg/kg	0.2					-	-	-	-	-	-	-
Ronnel	mg/kg	0.2					-	-	-	-	-	-	-
Terbufos	mg/kg	0.2					-	-	-	-	-	-	-

	Unit	EQL	ASC NEPM HIL-A, HSL A/B	ASC NEPM EIL/ESL A/B	ASC NEPM EIL/ESL A/B (Site-Specific)	Waste Classification Guidelines CT1	DL-EAST-01	DL-EAST-02	DL-SOUTH-01	DL-SOUTH-02	DL-WEST-01	DL-WEST-02	DL-SOUTH-03
Tetrachlorvinphos	mg/kg	0.2					-	-	-	-	-	-	-
Tokuthion	mg/kg	0.2					-	-	-	-	-	-	-
Trichloronate	mg/kg	0.2					-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons													
Acenaphthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5	< 0.5
Acenaphthylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	1.7	< 0.5	< 0.5
Benz(a)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	0.8	5.2	< 0.5	< 0.5
Benzo(a)pyrene	mg/kg	0.5		20		0.8	< 0.5	< 0.5	< 0.5	1.2	7.1	< 0.5	< 0.5
Benzo(a)pyrene TEQ (lower bound) *	mg/kg	0.5					< 0.5	< 0.5	< 0.5	1.5	10	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	mg/kg	0.5	3				0.6	0.6	0.6	1.8	10	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	mg/kg	0.5					1.2	1.2	1.2	2	10	1.2	1.2
Benzo(b&j)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	0.8	4.9	< 0.5	< 0.5
Benzo(g.h.i)perylene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	1	5.4	< 0.5	< 0.5
Benzo(k)fluoranthene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	0.9	6.2	< 0.5	< 0.5
Chrysene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	1	5.4	< 0.5	< 0.5
Dibenz(a.h)anthracene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	1.2	< 0.5	< 0.5
Fluoranthene	mg/kg	0.5					0.7	< 0.5	< 0.5	2.6	16	< 0.5	0.8
Fluorene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	0.7	4.4	< 0.5	< 0.5
Naphthalene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	mg/kg	0.5					< 0.5	< 0.5	< 0.5	1.2	6.2	< 0.5	< 0.5
Pyrene	mg/kg	0.5					0.6	< 0.5	< 0.5	2.5	15	< 0.5	0.7
Total PAH*	mg/kg	0.5	300			200	1.3	< 0.5	< 0.5	13	79	< 0.5	1.5
TRH - 1999 NEPM													
TRH C10-C14	mg/kg	20					-	-	-	-	-	-	-
TRH C10-C36 (Total)	mg/kg	50				10000	-	-	-	-	-	-	-
TRH C15-C28	mg/kg	50					-	-	-	-	-	-	-
TRH C29-C36	mg/kg	50					-	-	-	-	-	-	-
TRH C6-C9	mg/kg	20				650	-	-	-	-	-	-	-
TRH - 2013 NEPM													
Naphthalene	mg/kg	0.5					-	-	-	-	-	-	-
TRH >C10-C16	mg/kg	50					-	-	-	-	-	-	-
TRH >C10-C16 less Naphthalene (F2)*	mg/kg	50	110	120			-	-	-	-	-	-	-
TRH >C10-C40 (total)*	mg/kg	100					-	-	-	-	-	-	-
TRH >C16-C34	mg/kg	100		300			-	-	-	-	-	-	-
TRH >C34-C40	mg/kg	100		2800			-	-	-	-	-	-	-
TRH C6-C10	mg/kg	20					-	-	-	-	-	-	-
TRH C6-C10 less BTEX (F1)	mg/kg	20	45	180			-	-	-	-	-	-	-

TABLE 2 - SOIL RPD

	Unit	EQL	BH01-0.1	QC01-BH01-0.1	RPD %	BH16-0.1	QC02-BH16-01	RPD %	SP1-03	QC04-SP01-03	RPD %	HA01	QC03-HA01	RPD %
BTEX														
Benzene	mg/kg	**0.1**	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0
Ethylbenzene	mg/kg	**0.1**	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0
m&p-Xylenes	mg/kg	**0.2**	< 0.2	< 0.2	0.0	< 0.2	< 0.2	0.0	< 0.2	< 0.2	0.0	< 0.2	< 0.2	0.0
o-Xylene	mg/kg	**0.1**	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0
Toluene	mg/kg	**0.1**	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0
Xylenes - Total*	mg/kg	**0.3**	< 0.3	< 0.3	0.0	< 0.3	< 0.3	0.0	< 0.3	< 0.3	0.0	< 0.3	< 0.3	0.0
Heavy Metals														
Arsenic	mg/kg	**2**	3.1	3.3	6.2	6.1	7.1	15.2	2.9	3.9	29.4	4.1	3.9	5.0
Cadmium	mg/kg	**0.4**	< 0.4	< 0.4	0.0	< 0.4	< 0.4	0.0	< 0.4	< 0.4	0.0	< 0.4	< 0.4	0.0
Chromium	mg/kg	**5**	6.8	11	47.2	< 5	< 5	0.0	< 5	< 5	0.0	6.2	8.1	26.6
Copper	mg/kg	**5**	5.3	8.2	43.0	6.7	5.6	17.9	6.7	9.1	30.4	< 5	< 5	0.0
Lead	mg/kg	**5**	7.9	7.2	9.3	5.8	5.8	0.0	21	26	21.3	13	12	8.0
Mercury	mg/kg	**0.1**	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0	< 0.1	< 0.1	0.0
Nickel	mg/kg	**5**	< 5	7.5	0.0	< 5	< 5	0.0	< 5	< 5	0.0	< 5	< 5	0.0
Zinc	mg/kg	**5**	32	38	17.1	25	25	0.0	38	56	38.3	90	120	28.6
Polycyclic Aromatic Hydrocarbons														
Acenaphthene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Acenaphthylene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Anthracene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Benz(a)anthracene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Benzo(a)pyrene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Benzo(a)pyrene TEQ (lower bound) *	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Benzo(a)pyrene TEQ (medium bound) *	mg/kg	**0.5**	0.6	0.6	0.0	0.6	0.6	0.0	0.6	0.6	0.0	0.6	0.6	0.0
Benzo(a)pyrene TEQ (upper bound) *	mg/kg	**0.5**	1.2	1.2	0.0	1.2	1.2	0.0	1.2	1.2	0.0	1.2	1.2	0.0
Benzo(b&j)fluoranthene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Benzo(g.h.i)perylene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Benzo(k)fluoranthene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Chrysene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Dibenz(a.h)anthracene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Fluoranthene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Fluorene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Indeno(1.2.3-cd)pyrene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Naphthalene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Phenanthrene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Pyrene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
Total PAH*	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
TRH - 1999 NEPM														
TRH C10-C14	mg/kg	**20**	< 40	< 100	0.0	< 20	< 20	0.0	< 20	< 20	0.0	< 20	< 20	0.0
TRH C10-C36 (Total)	mg/kg	**50**	< 100	310	0.0	< 50	< 50	0.0	< 50	< 50	0.0	< 50	< 50	0.0
TRH C15-C28	mg/kg	**50**	< 100	< 250	0.0	< 50	< 50	0.0	< 50	< 50	0.0	< 50	< 50	0.0
TRH C29-C36	mg/kg	**50**	< 100	310	0.0	< 50	< 50	0.0	< 50	< 50	0.0	< 50	< 50	0.0
TRH C6-C9	mg/kg	**20**	< 20	< 20	0.0	< 20	< 20	0.0	< 20	< 20	0.0	< 20	< 20	0.0
TRH - 2013 NEPM														
Naphthalene	mg/kg	**0.5**	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0	< 0.5	< 0.5	0.0
TRH >C10-C16	mg/kg	**50**	< 100	< 250	0.0	< 50	< 50	0.0	< 50	< 50	0.0	< 50	< 50	0.0
TRH >C10-C16 less Naphthalene (F2)*	mg/kg	**50**	< 100	< 250	0.0	< 50	< 50	0.0	< 50	< 50	0.0	< 50	< 50	0.0
TRH >C10-C40 (total)*	mg/kg	**100**	< 200	< 500	0.0	< 100	< 100	0.0	< 100	< 100	0.0	< 100	< 100	0.0
TRH >C16-C34	mg/kg	**100**	< 200	< 500	0.0	< 100	< 100	0.0	< 100	< 100	0.0	< 100	< 100	0.0
TRH >C34-C40	mg/kg	**100**	< 200	< 500	0.0	< 100	< 100	0.0	< 100	< 100	0.0	< 100	< 100	0.0
TRH C6-C10	mg/kg	**20**	< 20	< 20	0.0	< 20	< 20	0.0	< 20	< 20	0.0	< 20	< 20	0.0
TRH C6-C10 less BTEX (F1)	mg/kg	**20**	< 20	< 20	0.0	< 20	< 20	0.0	< 20	< 20	0.0	< 20	< 20	0.0

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

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 81 (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**

TABLE 3 - ASBESTOS

	HA01	HA02	HA03	ASB01	ASB02	ASB03
Asbestos Sample Mass/Dimensions	550g	429g	421g	24g / 93 x 65 x 5mm	66g / 90 x 62 x 10mm	20g / 75 x 52 x 6mm
Asbestos Sample Description	Brown coarse-grained sandy soil, plant residues and rocks	Brown coarse-grained sandy soil, plant residues and rocks	Brown coarse-grained sandy soil, plant residues and rocks	Grey fibre cement material	Grey fibre cement material	Beige fibre cement material (a) White paint (b)
Asbestos Reported Result	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.	No asbestos detected. Organic fibre detected. No trace asbestos detected.	No asbestos detected. Organic fibre detected. No trace asbestos detected.	No asbestos detected Organic fibre detected (a) No trace asbestos detected.

	A	B	C	D	E	F	G	H	I	J	K	L
1	**TRH F3 UCL Statistics for Uncensored Full Data Sets**											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.2 22/10/2025 3:58:35 PM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	**C0**											
12												
13	**General Statistics**											
14	Total Number of Observations					32	Number of Distinct Observations					9
15							Number of Missing Observations					0
16	Minimum					50	Mean					104.7
17	Maximum					710	Median					50
18	SD					140.2	Std. Error of Mean					24.78
19	Coefficient of Variation					1.339	Skewness					3.419
20												
21	**Normal GOF Test**											
22	Shapiro Wilk Test Statistic					0.463	**Shapiro Wilk GOF Test**					
23	1% Shapiro Wilk Critical Value					0.904	Data Not Normal at 1% Significance Level					
24	Lilliefors Test Statistic					0.402	**Lilliefors GOF Test**					
25	1% Lilliefors Critical Value					0.18	Data Not Normal at 1% Significance Level					
26	**Data Not Normal at 1% Significance Level**											
27												
28	**Assuming Normal Distribution**											
29	**95% Normal UCL**						**95% UCLs (Adjusted for Skewness)**					
30	95% Student's-t UCL					146.7	95% Adjusted-CLT UCL (Chen-1995)					161.5
31							95% Modified-t UCL (Johnson-1978)					149.2
32												
33	**Gamma GOF Test**											
34	A-D Test Statistic					6.45	**Anderson-Darling Gamma GOF Test**					
35	5% A-D Critical Value					0.765	Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic					0.445	**Kolmogorov-Smirnov Gamma GOF Test**					
37	5% K-S Critical Value					0.158	Data Not Gamma Distributed at 5% Significance Level					
38	**Data Not Gamma Distributed at 5% Significance Level**											
39												
40	**Gamma Statistics**											
41	k hat (MLE)					1.479	k star (bias corrected MLE)					1.361
42	Theta hat (MLE)					70.8	Theta star (bias corrected MLE)					76.93
43	nu hat (MLE)					94.64	nu star (bias corrected)					87.1
44	MLE Mean (bias corrected)					104.7	MLE Sd (bias corrected)					89.74
45							Approximate Chi Square Value (0.05)					66.58
46	Adjusted Level of Significance					0.0416	Adjusted Chi Square Value					65.62
47												
48	**Assuming Gamma Distribution**											
49	95% Approximate Gamma UCL					136.9	95% Adjusted Gamma UCL					138.9
50												
51	**Lognormal GOF Test**											

	A	B	C	D	E	F	G	H	I	J	K	L
52					Shapiro Wilk Test Statistic	0.584	**Shapiro Wilk Lognormal GOF Test**					
53					10% Shapiro Wilk Critical Value	0.941	Data Not Lognormal at 10% Significance Level					
54					Lilliefors Test Statistic	0.444	**Lilliefors Lognormal GOF Test**					
55					10% Lilliefors Critical Value	0.142	Data Not Lognormal at 10% Significance Level					
56	**Data Not Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59					Minimum of Logged Data	3.912				Mean of logged Data		4.276
60					Maximum of Logged Data	6.565				SD of logged Data		0.718
61												
62	**Assuming Lognormal Distribution**											
63					95% H-UCL	122.4				90% Chebyshev (MVUE) UCL		130.4
64					95% Chebyshev (MVUE) UCL	147.6				97.5% Chebyshev (MVUE) UCL		171.6
65					99% Chebyshev (MVUE) UCL	218.7						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data do not follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71					95% CLT UCL	145.4				95% BCA Bootstrap UCL		163.1
72					95% Standard Bootstrap UCL	144.4				95% Bootstrap-t UCL		203.9
73					95% Hall's Bootstrap UCL	311.2				95% Percentile Bootstrap UCL		148.8
74					90% Chebyshev(Mean, Sd) UCL	179				95% Chebyshev(Mean, Sd) UCL		212.7
75					97.5% Chebyshev(Mean, Sd) UCL	259.4				99% Chebyshev(Mean, Sd) UCL		351.3
76												
77	**Suggested UCL to Use**											
78					95% Student's-t UCL	146.7						
79												
80	**The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.**											
81	**Please verify the data were collected from random locations.**											
82	**If the data were collected using judgmental or other non-random methods,**											
83	**then contact a statistician to correctly calculate UCLs.**											
84												
85	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
86	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												

	A	B	C	D	E	F	G	H	I	J	K	L
1	**UCL Statistics for Uncensored Full Data Sets (Zinc, General Fill)**											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.2 7/10/2025 12:43:35 PM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	**C1**											
12												
13	**General Statistics**											
14	Total Number of Observations					32	Number of Distinct Observations					22
15							Number of Missing Observations					0
16	Minimum					8.3	Mean					40.04
17	Maximum					130	Median					31.5
18	SD					26.48	Std. Error of Mean					4.682
19	Coefficient of Variation					0.661	Skewness					2.184
20												
21	**Normal GOF Test**											
22	Shapiro Wilk Test Statistic					0.718	**Shapiro Wilk GOF Test**					
23	1% Shapiro Wilk Critical Value					0.904	Data Not Normal at 1% Significance Level					
24	Lilliefors Test Statistic					0.314	**Lilliefors GOF Test**					
25	1% Lilliefors Critical Value					0.18	Data Not Normal at 1% Significance Level					
26	**Data Not Normal at 1% Significance Level**											
27												
28	**Assuming Normal Distribution**											
29	**95% Normal UCL**						**95% UCLs (Adjusted for Skewness)**					
30	95% Student's-t UCL					47.98	95% Adjusted-CLT UCL (Chen-1995)					49.67
31							95% Modified-t UCL (Johnson-1978)					48.28
32												
33	**Gamma GOF Test**											
34	A-D Test Statistic					1.966	**Anderson-Darling Gamma GOF Test**					
35	5% A-D Critical Value					0.752	Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic					0.238	**Kolmogorov-Smirnov Gamma GOF Test**					
37	5% K-S Critical Value					0.156	Data Not Gamma Distributed at 5% Significance Level					
38	**Data Not Gamma Distributed at 5% Significance Level**											
39												
40	**Gamma Statistics**											
41	k hat (MLE)					3.444	k star (bias corrected MLE)					3.142
42	Theta hat (MLE)					11.63	Theta star (bias corrected MLE)					12.74
43	nu hat (MLE)					220.4	nu star (bias corrected)					201.1
44	MLE Mean (bias corrected)					40.04	MLE Sd (bias corrected)					22.59
45							Approximate Chi Square Value (0.05)					169.3
46	Adjusted Level of Significance					0.0416	Adjusted Chi Square Value					167.7
47												
48	**Assuming Gamma Distribution**											
49	95% Approximate Gamma UCL					47.57	95% Adjusted Gamma UCL					48.01
50												
51	**Lognormal GOF Test**											

	A	B	C	D	E	F	G	H	I	J	K	L
52					Shapiro Wilk Test Statistic	0.911	**Shapiro Wilk Lognormal GOF Test**					
53					10% Shapiro Wilk Critical Value	0.941	Data Not Lognormal at 10% Significance Level					
54					Lilliefors Test Statistic	0.198	**Lilliefors Lognormal GOF Test**					
55					10% Lilliefors Critical Value	0.142	Data Not Lognormal at 10% Significance Level					
56	**Data Not Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59					Minimum of Logged Data	2.116				Mean of logged Data		3.538
60					Maximum of Logged Data	4.868				SD of logged Data		0.536
61												
62	**Assuming Lognormal Distribution**											
63					95% H-UCL	47.94				90% Chebyshev (MVUE) UCL		51.3
64					95% Chebyshev (MVUE) UCL	56.64				97.5% Chebyshev (MVUE) UCL		64.06
65					99% Chebyshev (MVUE) UCL	78.63						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data do not follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71					95% CLT UCL	47.74				95% BCA Bootstrap UCL		49.66
72					95% Standard Bootstrap UCL	47.63				95% Bootstrap-t UCL		51.56
73					95% Hall's Bootstrap UCL	50.48				95% Percentile Bootstrap UCL		48.33
74					90% Chebyshev(Mean, Sd) UCL	54.09				95% Chebyshev(Mean, Sd) UCL		60.45
75					97.5% Chebyshev(Mean, Sd) UCL	69.28				99% Chebyshev(Mean, Sd) UCL		86.62
76												
77	**Suggested UCL to Use**											
78					95% Student's-t UCL	47.98						
79												
80	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
81	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
82	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
83												

	A	B	C	D	E	F	G	H	I	J	K	L
1	**UCL Statistics for Uncensored Full Data Sets Zinc in Stockpiles**											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.2 7/10/2025 12:50:22 PM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	**C4**											
12												
13	**General Statistics**											
14	Total Number of Observations					40	Number of Distinct Observations					27
15							Number of Missing Observations					0
16	Minimum					17	Mean					41.15
17	Maximum					200	Median					34
18	SD					29.71	Std. Error of Mean					4.698
19	Coefficient of Variation					0.722	Skewness					4.252
20												
21	**Normal GOF Test**											
22	Shapiro Wilk Test Statistic					0.56	**Shapiro Wilk GOF Test**					
23	1% Shapiro Wilk Critical Value					0.919	Data Not Normal at 1% Significance Level					
24	Lilliefors Test Statistic					0.277	**Lilliefors GOF Test**					
25	1% Lilliefors Critical Value					0.162	Data Not Normal at 1% Significance Level					
26	**Data Not Normal at 1% Significance Level**											
27												
28	**Assuming Normal Distribution**											
29	**95% Normal UCL**						**95% UCLs (Adjusted for Skewness)**					
30	95% Student's-t UCL					49.07	95% Adjusted-CLT UCL (Chen-1995)					52.25
31							95% Modified-t UCL (Johnson-1978)					49.59
32												
33	**Gamma GOF Test**											
34	A-D Test Statistic					2.318	**Anderson-Darling Gamma GOF Test**					
35	5% A-D Critical Value					0.752	Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic					0.223	**Kolmogorov-Smirnov Gamma GOF Test**					
37	5% K-S Critical Value					0.14	Data Not Gamma Distributed at 5% Significance Level					
38	**Data Not Gamma Distributed at 5% Significance Level**											
39												
40	**Gamma Statistics**											
41	k hat (MLE)					4.152	k star (bias corrected MLE)					3.858
42	Theta hat (MLE)					9.91	Theta star (bias corrected MLE)					10.67
43	nu hat (MLE)					332.2	nu star (bias corrected)					308.6
44	MLE Mean (bias corrected)					41.15	MLE Sd (bias corrected)					20.95
45							Approximate Chi Square Value (0.05)					268.9
46	Adjusted Level of Significance					0.044	Adjusted Chi Square Value					267.5
47												
48	**Assuming Gamma Distribution**											
49	95% Approximate Gamma UCL					47.22	95% Adjusted Gamma UCL					47.47
50												
51	**Lognormal GOF Test**											

	A	B	C	D	E	F	G	H	I	J	K	L
52					Shapiro Wilk Test Statistic	0.888	**Shapiro Wilk Lognormal GOF Test**					
53					10% Shapiro Wilk Critical Value	0.949	Data Not Lognormal at 10% Significance Level					
54					Lilliefors Test Statistic	0.184	**Lilliefors Lognormal GOF Test**					
55					10% Lilliefors Critical Value	0.128	Data Not Lognormal at 10% Significance Level					
56	**Data Not Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59					Minimum of Logged Data	2.833				Mean of logged Data		3.592
60					Maximum of Logged Data	5.298				SD of logged Data		0.445
61												
62	**Assuming Lognormal Distribution**											
63					95% H-UCL	45.82				90% Chebyshev (MVUE) UCL		48.73
64					95% Chebyshev (MVUE) UCL	52.69				97.5% Chebyshev (MVUE) UCL		58.19
65					99% Chebyshev (MVUE) UCL	69.01						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data do not follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71					95% CLT UCL	48.88				95% BCA Bootstrap UCL		52.73
72					95% Standard Bootstrap UCL	48.79				95% Bootstrap-t UCL		57.62
73					95% Hall's Bootstrap UCL	81.67				95% Percentile Bootstrap UCL		49.78
74					90% Chebyshev(Mean, Sd) UCL	55.24				95% Chebyshev(Mean, Sd) UCL		61.63
75					97.5% Chebyshev(Mean, Sd) UCL	70.49				99% Chebyshev(Mean, Sd) UCL		87.89
76												
77	**Suggested UCL to Use**											
78					95% Student's-t UCL	49.07						
79												
80	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
81	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
82	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
83												

APPENDIX D – BORELOGS

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ENVIRONMENTAL LOG: BH01

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-24	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; DARK BROWN; Moist; small rocks and roots 0.1 m							
		Test Hole BH01 Terminated at 0.1 m							
1									
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: BH02

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-24	**TOTAL DEPTH:**	1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [404] GRAVELLY SAND Loose; LIGHT BROWN TO DARK BROWN; Dry to Damp; angular gravels, grass and roots 0.1 m							
		FILL [403] SILTY SAND Loose; DARK BROWN; Damp. 0.7 m							
		ROCK [815] PYROCLASTIC (VOLCANIC ASH) REDDISH ORANGE; SANDSTONE 1 m							
	1	Test Hole BH02 Terminated at 1 m							
1									
2									
3									
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH03

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-24	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; DARK BROWN; Moist; small rocks and roots 0.1 m							
		Test Hole BH03 Terminated at 0.1 m							
1									
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: BH04

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.7
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; DARK BROWN; Moist; Angular gravels, grass and roots 0.05 m							
		FILL [402] CLAYEY SAND Loose; DARK BROWN; Dry to Moist; medium to large rocks, plastic water pipes 0.45 m							
1		**ROCK** [815] PYROCLASTIC (VOLCANIC ASH) SANDSTONE 0.6 m							
2		Test Hole BH04 Terminated at 0.7 m							
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH05

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.7
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; LIGHT BROWN TO DARK BROWN; Moist; Angular gravels, grass and roots 0.05 m							
		FILL [402] CLAYEY SAND Loose; DARK BROWN; Dry to Moist; medium to large rocks 0.45 m							
1		**ROCK** [815] PYROCLASTIC (VOLCANIC ASH) SANDSTONE 0.6 m							
2		Test Hole BH05 Terminated at 0.7 m							
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH06

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; LIGHT BROWN TO DARK BROWN; Moist; Angular gravels, grass and roots 0.1 m							
		FILL [402] CLAYEY SAND Loose; DARK BROWN; Dry to Moist; medium to large rocks 0.35 m							
1		**FILL** [503] SILTY GRAVEL Medium; REDDISH ORANGE; Dry; medium to coarse grained 0.4 m							
		FILL [401] SAND Loose; DARK BROWN; Dry. 0.6 m							
2		**NATURAL** [201] CLAY Very Stiff; LIGHT GREY BROWN; Dry. 0.8 m							
		ROCK [815] PYROCLASTIC (VOLCANIC ASH). 1 m							
3	1	Test Hole BH06 Terminated at 1 m							
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH07

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.2
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [402] CLAYEY SAND Loose; DARK BROWN; Dry; angular gravels 0.05 m							
		FILL [203] SANDY CLAY Medium; DARK BROWN; Dry; medium to large rocks 0.15 m							
		ROCK PYROCLASTIC (VOLCANIC ASH) (815) 0.2 m							
1		Test Hole BH07 Terminated at 0.2 m							
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: BH08

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.25
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [501] GRAVEL PINK AND BROWN; angular 0.1 m							
		FILL [401] SAND Medium; Dry; fine-grained, yellow and black 0.2 m							
		ROCK PYROCLASTIC (VOLCANIC ASH) (815) 0.25 m							
1		Test Hole BH08 Terminated at 0.25 m							
2									
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH09

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.25
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [501] GRAVEL PINK AND BROWN; angular 0.1 m							
		FILL [401] SAND Medium; Dry; fine-grained, yellow and black 0.2 m							
		ROCK PYROCLASTIC (VOLCANIC ASH) (815) 0.25 m							
1		Test Hole BH09 Terminated at 0.25 m							
2									
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH10

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.4
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; BROWN; Dry; angular gravels, rocks 0.05 m							
		FILL [401] SAND Loose; BROWNISH YELLOW; Dry. 0.35 m							
1		**ROCK** PYROCLASTIC (VOLCANIC ASH) (815) 0.4 m							
		Test Hole BH10 Terminated at 0.4 m							
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: BH11

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.65
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; BROWN; Dry; angular gravels, rocks							
		0.15 m							
		FILL [401] SAND Loose; LIGHT BROWNISH YELLOW; Dry; wood inclusions, large rocks							
1		**ROCK** PYROCLASTIC (VOLCANIC ASH) (815)							
		0.55 m							
2		0.65 m							
		Test Hole BH11 Terminated at 0.65 m							
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH12

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.6
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** GRAVEL (501) 0.05 m							
		FILL [402] CLAYEY SAND Loose; DARK BROWN; Dry; MEDIUM, LARGE ROCKS 0.5 m							
		ROCK PYROCLASTIC (VOLCANIC ASH) (815) 0.6 m							
2		Test Hole BH12 Terminated at 0.6 m							
1	1								
3									
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH13

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-24	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Loose; DARK BROWN; Moist; small rocks and roots 0.1 m							
		Test Hole BH13 Terminated at 0.1 m							
1									
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: BH14

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	1.2
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** COBBLY GRAVEL (506), angular, dark brown clayey sand 0.1 m							
		FILL [403] SILTY SAND Loose; LIGHT BROWN; Dry to Damp; rocks, gravels, plastic, pvc							
1									
2									
3	1	1.2 m							
4		Test Hole BH14 Terminated at 1.2 m							
5									
6									
	2								

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ENVIRONMENTAL LOG: BH15

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.35
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [504] SANDY GRAVEL Loose; BROWN TO DARK BROWN; Dry. 0.1 m							
		FILL [404] GRAVELLY SAND Loose; TELLOW BROWN; Dry; rocks 0.25 m							
1		**ROCK** PYROCLASTIC (VOLCANIC ASH) (815) 0.3 m							
		Test Hole BH15 Terminated at 0.35 m							
2									
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH16

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.2
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	MCCADE GROUP	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	5.5 Tonne Excavator	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [401] SAND Medium; YELLOW ORANGE; Dry; fine-grained 0.2 m							
		Test Hole BH16 Terminated at 0.2 m							
1									
2									
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH17

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [504] SANDY GRAVEL Loose; LIGHT GREY; Dry; DARK BROWN SAND 0.1 m							
		Test Hole BH17 Terminated at 0.1 m							
1									
2									
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: BH18

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**TOPSOIL/FILL** [402] CLAYEY SAND Medium; DARK BROWN; Moist; grasses and roots 0.1 m							
		Test Hole BH18 Terminated at 0.1 m							
1									
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: BH19

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [402] CLAYEY SAND Medium; DARK BROWN; Moist; grasses, roots 0.1 m							
		Test Hole BH19 Terminated at 0.1 m							
1									
2									
3									
	1								
4									
5									
6									
	2								

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ENVIRONMENTAL LOG: HA01

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [402] CLAYEY SAND Medium; DARK BROWN; Moist; grasses, roots 0.1 m							
		Test Hole HA01 Terminated at 0.1 m							
1									
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: HA02

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [402] CLAYEY SAND Medium; DARK BROWN; Moist; grasses, roots 0.1 m							
		Test Hole HA02 Terminated at 0.1 m							
1									
2									
3	1								
4									
5									
6	2								

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ENVIRONMENTAL LOG: HA03

PROJECT NO.:	254833	**DRILLING DATE:**	2025-09-25	**TOTAL DEPTH:**	0.1
PROJECT NAME:	4 Fleet Street Salamander Bay DSI	**DRILLING CO.:**	DRB Engineering	**COORDINATES:**	
CLIENT:	Wanda Beach Pty Ltd.	**DRILL METHOD:**	Hand Pick	**COORD. SYSTEM:**	
ADDRESS:	4 Fleet Street, Salamander Bay NSW	**DRILLER:**		**GROUND ELEV.:**	
		LOGGED BY:	Paul Wright	**CHECKED BY:**	Paul Wright

NOTES:

Depth FT	Depth M	Material Description	Graphic	Samples No.	Samples Symbols	Samples Moisture	Hydrocarbon	Additional Observations	Elevation
		Ground Surface at							
0	0	**FILL** [402] CLAYEY SAND Medium; DARK BROWN; Moist; grasses, roots 0.1 m							
		Test Hole HA03 Terminated at 0.1 m							
1									
2									
3	1								
4									
5									
6	2								

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APPENDIX E – LABORATORY CERTIFICATES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Consigning Office: DRB Consulting Engineers

Report Results to: Paul Wright | Mobile: 0439 837 115 | Email: paul@drbengineering.com.au

Invoices to: | Phone: | Email:

Project No: 254833 | Task No:

Project Name: 4 Fleet Street | Laboratory:

Sampler's Name: Paul Wright | Project Manager: Paul Wright

Quote number (if different to current quoted prices):

Special Instructions:

Analysis Request Section

Lab Batch Ref	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	B7	OCP/OPP	TRH/BTEX												NOTE
	BH01-0.1	24/09/2025		soil	J	Std	x	x													
	BH02-0.1	24/09/2025		soil	J	Std	x	x													
	BH02-0.5	24/09/2025		soil	J	Std	x														
	BH03-0.1	24/09/2025		soil	J	Std	x	x													
	BH04-0.1	24/09/2025		soil	J	Std	x	x													
	BH04-0.4	24/09/2025		soil	J	Std	x														
	BH05-0.1	24/09/2025		soil	J	Std	x	x													
	BH05-0.5	24/09/2025		soil	J	Std	x														
	BH06-0.1	24/09/2025		soil	J	Std	x	x													
	BH06-0.6	24/09/2025		soil	J	Std	x														
	BH07-0.1	24/09/2025		soil	J	Std	x	x													
	BH07-DEEP	24/09/2025		soil	J	Std	x														
	BH08-0.1	24/09/2025		soil	J	Std	x	x													
																					Due 24-06-25

RELINQUISHED BY

Name:	Date: 24/09/2025	Name: Jessica Randall	Date: 24/9
DRB	Time:	Company:	Time: 4:56pm
Name:	Date: →	Name:	Date:
Company:	Time:	Company:	Time:

Sample Receipt Advice: (Lab Use Only) 7.9°

All Samples Recieved in Good Condition ☑

All Documentation is in Proper Order ☑

Samples Received Properly Chilled ☑

Lab. Ref/Batch No. 1272591

***Container Type & Preservation Codes:** **P** - Plastic, **G**- Glass Bottle, **J** - Glass Jar, **V**- Vial, **Z** - Ziplock bag, **N** - Nitric Acid Preserved, **C** - Hydrochloric Acid Preserved, **S** - Sulphuric Acid Preserved, **I** - Ice, **ST** - Sodium Thiosulfate, **NP** - No Preservative

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Consigning Office: DRB Consulting Engineers

Report Results to: Paul Wright | Mobile: 0439 837 115 | Email: paul@drbengineering.com.au

Invoices to: Paul Wright | Phone: | Email:

Project No: 254833 | Task No:

Project Name: 4 Fleet Street | Laboratory:

Sampler's Name: Paul Wright | Project Manager: Paul Wright

Quote number (if different to current quoted prices):

Special Instructions:

Analysis Request Section

Lab Batch Ref	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	B7	OCP/OPP												NOTES
	BH09-0.1	24/09/2025		soil	J	Std	X	X												
	BH09-0.2	24/09/2025		soil	J	Std	X													
	BH10-0.1	24/09/2025		soil	J	Std	X	X												
	BH10-0.3	24/09/2025		soil	J	Std	X													
	BH11-0.1	24/09/2025		soil	J	Std	X	X												
	BH11-0.6	24/09/2025		soil	J	Std	X													
	BH12-0.1	24/09/2025		soil	J	Std	X	X												
	BH12-0.4	24/09/2025		soil	J	Std	X													
	BH13-0.1	24/09/2025		soil	J	Std	X	X												
	BH14-0.1	24/09/2025		soil	J	Std	X	X												
	BH14-0.5	24/09/2025		soil	J	Std	X													
	BH15-0.1	24/09/2025		soil	J	Std	X	X												
	BH15-0.3	24/09/2025		soil	J	Std	X													
	BH16-0.1	24/09/2025		soil	J	Std	X	X												

RELINQUISHED BY

Name: Paul Wright | Date: 24/09/2025
DRB | Time:

Name: | Date:
Company: | Time:

RECEIVED BY

Name: Jessica Randall | Date: 24/9
Company: | Time: 4:56pm

Name: | Date:
Company: | Time:

Sample Receipt Advice: (Lab Use Only) 7.9c

All Samples Recieved in Good Condition ☐
All Documentation is in Proper Order ☐
Samples Received Properly Chilled ☐
Lab. Ref/Batch No. 1272591

***Container Type & Preservation Codes:** **P** - Plastic, **G**- Glass Bottle, **J** - Glass Jar, **V**- Vial, **Z** - Ziplock bag, **N** - Nitric Acid Preserved, **C** - Hydrochloric Acid Preserved, **S** - Sulphuric Acid Preserved, **I** - Ice, **ST** - Sodium Thiosulfate, **NP** - No Preservative

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Consigning Office:	DRB Consulting Engineers		
Report Results to:	Paul Wright	Mobile: 0439 837 115	Email: paul@drbengineering.com.au
Invoices to:	Paul Wright	Phone:	Email:

Project No:	254833	Task No:	
Project Name:	4 Fleet Street	Laboratory:	
Sampler's Name:	Paul Wright	Project Manager:	Paul Wright
Quote number (if different to current quoted prices):			
Special Instructions:			

Analysis Request Section

Lab Batch Ref	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	B7													NOTES
	SP1-01	24/09/2025		soil	J	STD	X													
	SP1-02	24/09/2025		soil	J	STD	X													
	SP1-03	24/09/2025		soil	J	STD	X													
	SP1-04	24/09/2025		soil	J	STD	X													
	SP1-05	24/09/2025		soil	J	STD	X													
	SP1-06	24/09/2025		soil	J	STD	X													
	SP1-07	24/09/2025		soil	J	STD	X													
	SP1-08	24/09/2025		soil	J	STD	X													
	SP1-09	24/09/2025		soil	J	STD	X													
	SP1-10	24/09/2025		soil	J	STD	X													
	SP2-01	24/09/2025		soil	J	STD	X													
	SP2-02	24/09/2025		soil	J	STD	X													
	SP2-03	24/09/2025		soil	J	STD	X													
	SP2-04	24/09/2025		soil	J	STD	X													
	SP2-05	24/09/2025		soil	J	STD	X													
	SP2-06	24/09/2025		soil	J	STD	X													

RELINQUISHED BY		RECEIVED BY	
Name: Paul Wright	Date: 24/09/2025	Name: Jessica Randall	Date: 24/9
DRB	Time:	Company:	Time: 4:56pm
Name:	Date: →	Name:	Date:
Company:	Time:	Company:	Time:

Sample Receipt Advice: (Lab Use Only) 7.9c

- All Samples Recieved in Good Condition ☐
- All Documentation is in Proper Order ☐
- Samples Received Properly Chilled ☐
- Lab. Ref/Batch No. 1272591

***Container Type & Preservation Codes:** **P** - Plastic, **G**- Glass Bottle, **J** - Glass Jar, **V**- Vial, **Z** - Ziplock bag, **N** - Nitric Acid Preserved, **C** - Hydrochloric Acid Preserved, **S** - Sulphuric Acid Preserved, **I** - Ice, **ST** - Sodium Thiosulfate, **NP** - No Preservative

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Consigning Office:	DRB Consulting Engineers		
Report Results to:	Paul Wright	Mobile: 0439 837 115	Email: paul@drbengineering.com.au
Invoices to:	Paul Wright	Phone:	Email:

Project No: 254833	Task No:
Project Name: 4 Fleet Street	Laboratory:
Sampler's Name:	Project Manager:
Quote number (if different to current quoted prices):	
Special Instructions:	

Analysis Request Section

Lab Batch Ref	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	B7A													NOTES
	SP2-07	24/09/2025		soil	J	STD	X													
	SP2-08	24/09/2025		soil	J	STD	X													
	SP2-09	24/09/2025		soil	J	STD	X													
	SP2-10	24/09/2025		soil	J	STD	X													
	SP3-01	24/09/2025		soil	J	STD	X													
	SP3-02	24/09/2025		soil	J	STD	X													
	SP3-03	24/09/2025		soil	J	STD	X													
	SP3-04	24/09/2025		soil	J	STD	X													
	SP3-05	24/09/2025		soil	J	STD	X													
	SP3-06	24/09/2025		soil	J	STD	X													
	SP3-07	24/09/2025		soil	J	STD	X													
	SP3-08	24/09/2025		soil	J	STD	X													
	SP3-09	24/09/2025		soil	J	STD	X													
	SP3-10	24/09/2025		soil	J	STD	X													
	SP4-01	24/09/2025		soil	J	STD	X													
	SP4-02	24/09/2025		soil	J	STD	X													

RELINQUISHED BY		RECEIVED BY	
Name: Paul Wright	Date: 24/09/2025	Name: Jessica Landau	Date: 24/9
DRB	Time:	Company:	Time: 4:56pm
Name:	Date: ➔	Name:	Date:
Company:	Time:	Company:	Time:

Sample Receipt Advice: (Lab Use Only) 7.9c

- All Samples Recieved in Good Condition ☐
- All Documentation is in Proper Order ☐
- Samples Received Properly Chilled ☐
- Lab. Ref/Batch No. 1272591

***Container Type & Preservation Codes:** **P** - Plastic, **G**- Glass Bottle, **J** - Glass Jar, **V**- Vial, **Z** - Ziplock bag, **N** - Nitric Acid Preserved, **C** - Hydrochloric Acid Preserved, **S** - Sulphuric Acid Preserved, **I** - Ice, **ST** - Sodium Thiosulfate, **NP** - No Preservative

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Consigning Office:	DRB Consulting Engineers		
Report Results to:	Paul Wright	Mobile: 0439 837 115	Email: paul@drbengineering.com.au
Invoices to:	Paul Wright	Phone:	Email:

Project No:	254833	Task No:	
Project Name:	4 Fleet Street	Laboratory:	
Sampler's Name:	Paul Wright	Project Manager:	Paul Wright
Quote number (if different to current quoted prices):			
Special Instructions:			

Analysis Request Section

Lab Batch Ref	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	B7	Asbestos AS94 Soil	TRH/BTEX	Asbestos in Buidling Material										NOTE
	SP4-03	24/09/2025		soil	J	STD	X													
	SP4-04	24/09/2025		soil	J	STD	X													
	SP4-05	24/09/2025		soil	J	STD	X													
	HA01	24/09/2025		soil	z	STD	X	X												
	HA02	24/09/2025		soil	z	STD	X	X												
	HA03	24/09/2025		soil	z	STD	X	X												
	QC01-BH01-0.1	24/09/2025		soil	J	STD	X													
	QC02-BH16-01	24/09/2025		soil	J	STD	X													
	QC03-HA01	24/09/2025		soil	J	STD	X													
	QC04-SP01-03	24/09/2025		soil	J	STD	X													
	TRIP BLANK	24/09/2025		soil	J	STD			X											
	TRIP SPIKE	24/09/2025		soil	J	STD			X											
	ASB01	24/09/2025		Sus ACM	z	STD				X										
	ASB02	24/09/2025		Sus ACM	z	STD				X										
	ASB03	24/09/2025		Sus ACM	z	STD				X										
	SP5-01	25/09/2025		soil	j	STD	X													

RELINQUISHED BY		RECEIVED BY	
Name: Paul Wright	Date: 24/09/2025	Name: Jessica Randall	Date: 24/9
DRB	Time:	Company:	Time: 4:56pm
Name:	Date: →	Name:	Date:
Company:	Time:	Company:	Time:

Sample Receipt Advice: (Lab Use Only) 7-9

All Samples Recieved in Good Condition ☐

All Documentation is in Proper Order ☐

Samples Received Properly Chilled ☐

Lab. Ref/Batch No. 1272591

***Container Type & Preservation Codes:** **P** - Plastic, **G**- Glass Bottle, **J** - Glass Jar, **V**- Vial, **Z** - Ziplock bag, **N** - Nitric Acid Preserved, **C** - Hydrochloric Acid Preserved, **S** - Sulphuric Acid Preserved, **I** - Ice, **ST** - Sodium Thiosulfate, **NP** - No Preservative

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Consigning Office: DRB Consulting Engineers

Report Results to: Paul Wright | Mobile: 0439 837 115 | Email: paul@drbengineering.com.au

Invoices to: Paul Wright | Phone: | Email:

Project No: 254833 | Task No:

Project Name: 4 Fleet Street | Laboratory:

Sampler's Name: Paul Wright | Project Manager: Paul Wright

Quote number (if different to current quoted prices):

Special Instructions:

Analysis Request Section

Lab Batch Ref	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	B7	NOTES
	SP5-02	24/09/2025		soil	j	STD	x	
	SP5-03	24/09/2025		soil	j	STD	x	
	SP5-04	24/09/2025		soil	j	STD	x	
	SP5-05	24/09/2025		soil	j	STD	x	
	BH18-0.1	24/09/2025		soil	j	STD	x	
	BH19-0.1	24/09/2025		soil	j	STD	x	

RELINQUISHED BY

Name: Paul Wright | Date: 24/09/2025

DRB | Time:

Name: | Date: →

Company: | Time:

RECEIVED BY

Name: Jessica Reindall | Date: 24/9

Company: | Time: 4:56pm

Name: | Date:

Company: | Time:

Sample Receipt Advice: (Lab Use Only) 7.9°

All Samples Recieved in Good Condition ☐

All Documentation is in Proper Order ☐

Samples Received Properly Chilled ☐

Lab. Ref/Batch No. 1272591

***Container Type & Preservation Codes:** **P** - Plastic, **G**- Glass Bottle, **J** - Glass Jar, **V**- Vial, **Z** - Ziplock bag, **N** - Nitric Acid Preserved, **C** - Hydrochloric Acid Preserved, **S** - Sulphuric Acid Preserved, **I** - Ice, **ST** - Sodium Thiosulfate, **NP** - No Preservative

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370 & 2554

Sample Receipt Advice

Company name:	DRB Consulting Engineers
Contact name:	Paul Wright
Project name:	4 FLEET STREET
Project ID:	254833
Turnaround time:	5 Day
Date/Time received	Sep 24, 2025 4:56 PM
Eurofins reference	1272591

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

Extra sample BH17_0.1, QC05-SP05-01 logged on hold. Sample BH07-DEEP not provided, analysis has been cancelled.

Contact

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

Andrew Black on phone : (+61) 2 9900 8490 or by email: Andrew.Black@eurofinsanz.com

Results will be delivered electronically via email to Paul Wright - paul@drbengineering.com.au.

Note: A copy of these results will also be delivered to the general DRB Consulting Engineers email address.

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

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Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1272591
Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	BH01-0.1	Sep 24, 2025		Soil	N25-Se0078395					X	X	X		
2	BH02-0.1	Sep 24, 2025		Soil	N25-Se0078396					X	X	X		
3	BH02-0.5	Sep 24, 2025		Soil	N25-Se0078397						X	X		
4	BH03-0.1	Sep 24, 2025		Soil	N25-Se0078398					X	X	X		
5	BH04-0.1	Sep 24, 2025		Soil	N25-Se0078399					X	X	X		
6	BH04-0.4	Sep 24, 2025		Soil	N25-Se0078400						X	X		
7	BH05-0.1	Sep 24, 2025		Soil	N25-Se0078401					X	X	X		
8	BH05-0.5	Sep 24, 2025		Soil	N25-Se0078402						X	X		
9	BH06-0.1	Sep 24, 2025		Soil	N25-Se0078403					X	X	X		
10	BH06-0.6	Sep 24, 2025		Soil	N25-Se0078404						X	X		
11	BH07-0.1	Sep 24, 2025		Soil	N25-Se0078405					X	X	X		
12	BH07-DEEP	Sep 24, 2025		Soil	N25-Se0078406			X						
13	BH08-0.1	Sep 24, 2025		Soil	N25-Se0078407					X	X	X		

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Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1272591
Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
14	BH09-0.1	Sep 24, 2025		Soil	N25-Se0078408					X	X	X		
15	BH09-0.2	Sep 24, 2025		Soil	N25-Se0078409						X	X		
16	BH10-0.1	Sep 24, 2025		Soil	N25-Se0078410					X	X	X		
17	BH10-0.3	Sep 24, 2025		Soil	N25-Se0078411						X	X		
18	BH11-0.1	Sep 24, 2025		Soil	N25-Se0078412					X	X	X		
19	BH11-0.6	Sep 24, 2025		Soil	N25-Se0078413						X	X		
20	BH12-0.1	Sep 24, 2025		Soil	N25-Se0078414					X	X	X		
21	BH12-0.4	Sep 24, 2025		Soil	N25-Se0078415						X	X		
22	BH13-0.1	Sep 24, 2025		Soil	N25-Se0078416					X	X	X		
23	BH14-0.1	Sep 24, 2025		Soil	N25-Se0078417					X	X	X		
24	BH14-0.5	Sep 24, 2025		Soil	N25-Se0078418						X	X		
25	BH15-0.1	Sep 24, 2025		Soil	N25-Se0078419					X	X	X		
26	BH15-0.3	Sep 24, 2025		Soil	N25-Se0078420						X	X		
27	BH16-0.1	Sep 24, 2025		Soil	N25-Se0078421					X	X	X		
28	SP1-01	Sep 24, 2025		Soil	N25-Se0078422						X	X		
29	SP1-02	Sep 24, 2025		Soil	N25-Se0078423						X	X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1272591
Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
30	SP1-03	Sep 24, 2025		Soil	N25-Se0078424						X	X		
31	SP1-04	Sep 24, 2025		Soil	N25-Se0078425						X	X		
32	SP1-05	Sep 24, 2025		Soil	N25-Se0078426						X	X		
33	SP1-06	Sep 24, 2025		Soil	N25-Se0078427						X	X		
34	SP1-07	Sep 24, 2025		Soil	N25-Se0078428						X	X		
35	SP1-08	Sep 24, 2025		Soil	N25-Se0078429						X	X		
36	SP1-09	Sep 24, 2025		Soil	N25-Se0078430						X	X		
37	SP1-10	Sep 24, 2025		Soil	N25-Se0078431						X	X		
38	SP2-01	Sep 24, 2025		Soil	N25-Se0078432						X	X		
39	SP2-02	Sep 24, 2025		Soil	N25-Se0078433						X	X		
40	SP2-03	Sep 24, 2025		Soil	N25-Se0078434						X	X		
41	SP2-04	Sep 24, 2025		Soil	N25-Se0078435						X	X		
42	SP2-05	Sep 24, 2025		Soil	N25-Se0078436						X	X		
43	SP2-06	Sep 24, 2025		Soil	N25-Se0078437						X	X		
44	SP2-07	Sep 24, 2025		Soil	N25-Se0078438						X	X		
45	SP2-08	Sep 24, 2025		Soil	N25-Se0078439						X	X		

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Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1272591
Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
46	SP2-09	Sep 24, 2025		Soil	N25-Se0078440						X	X		
47	SP2-10	Sep 24, 2025		Soil	N25-Se0078441						X	X		
48	SP3-01	Sep 24, 2025		Soil	N25-Se0078442						X	X		
49	SP3-02	Sep 24, 2025		Soil	N25-Se0078443						X	X		
50	SP3-03	Sep 24, 2025		Soil	N25-Se0078444						X	X		
51	SP3-04	Sep 24, 2025		Soil	N25-Se0078445						X	X		
52	SP3-05	Sep 24, 2025		Soil	N25-Se0078446						X	X		
53	SP3-06	Sep 24, 2025		Soil	N25-Se0078447						X	X		
54	SP3-07	Sep 24, 2025		Soil	N25-Se0078448						X	X		
55	SP3-08	Sep 24, 2025		Soil	N25-Se0078449						X	X		
56	SP3-09	Sep 24, 2025		Soil	N25-Se0078450						X	X		
57	SP3-10	Sep 24, 2025		Soil	N25-Se0078451						X	X		
58	SP4-01	Sep 24, 2025		Soil	N25-Se0078452						X	X		
59	SP4-02	Sep 24, 2025		Soil	N25-Se0078453						X	X		
60	SP4-03	Sep 24, 2025		Soil	N25-Se0078454						X	X		
61	SP4-04	Sep 24, 2025		Soil	N25-Se0078455						X	X		

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Address: 21 Sturdee Street
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Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
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Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
62	SP4-05	Sep 24, 2025		Soil	N25-Se0078456						X	X		
63	HA01	Sep 24, 2025		Soil	N25-Se0078457	X					X	X		
64	HA02	Sep 24, 2025		Soil	N25-Se0078458	X					X	X		
65	HA03	Sep 24, 2025		Soil	N25-Se0078459	X					X	X		
66	QC01-BH01-0.1	Sep 24, 2025		Soil	N25-Se0078460						X	X		
67	QC02-BH16-01	Sep 24, 2025		Soil	N25-Se0078461						X	X		
68	QC03-HA01	Sep 24, 2025		Soil	N25-Se0078462						X	X		
69	QC04-SP01-03	Sep 24, 2025		Soil	N25-Se0078463						X	X		
70	ASB01	Sep 24, 2025		Building Materials	N25-Se0078464		X							
71	ASB02	Sep 24, 2025		Building Materials	N25-Se0078465		X							
72	ASB03	Sep 24, 2025		Building Materials	N25-Se0078466		X							
73	SP5-01	Sep 24, 2025		Soil	N25-Se0078467						X	X		

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NATA# 2377
Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1272591
Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
74	SP5-02	Sep 24, 2025		Soil	N25-Se0078468						X	X		
75	SP5-03	Sep 24, 2025		Soil	N25-Se0078469						X	X		
76	SP5-04	Sep 24, 2025		Soil	N25-Se0078470						X	X		
77	SP5-05	Sep 24, 2025		Soil	N25-Se0078471						X	X		
78	BH18-0.1	Sep 24, 2025		Soil	N25-Se0078472						X	X		
79	BH19-0.1	Sep 24, 2025		Soil	N25-Se0078473						X	X		
80	BH17_0.1	Sep 24, 2025		Soil	N25-Se0078698						X	X		
81	QC05-SP05-01	Sep 24, 2025		Soil	N25-Se0078699				X					
82	Trip Spike	Sep 24, 2025		Trip Spike (solid)	N25-Se0078700									X
83	Trip Spike Lab	Sep 24, 2025		Trip Spike (solid)	N25-Se0078701									X
84	Trip Blank	Sep 24, 2025		Trip Blank (solid)	N25-Se0078702								X	
85	Trip Spike	Sep 24, 2025		Trip Spike (solid)	N25-Se0078703									X

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NATA# 1261
Site# 25403

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NSW 2145
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NATA# 1261
Site# 18217

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Mitchell
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NATA# 1261
Site# 25466

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NATA# 1261
Site# 20794 & 2780

Newcastle
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Mayfield West
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+61 2 4968 8448
NATA# 1261
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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
86	Trip Spike Lab	Sep 24, 2025		Trip Spike (solid)	N25-Se0078704									X
87	Trip Blank	Sep 24, 2025		Trip Blank (solid)	N25-Se0078705								X	
Test Counts						3	3	1	1	16	76	76	2	4

Certificate of Analysis

Environment Testing

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.

DRB Consulting Engineers
21 Sturdee Street
New Lambton
NSW 2305

Attention:	Paul Wright
Report	1272591-AID
Project Name	4 FLEET STREET
Project ID	254833
Received Date	Sep 24, 2025
Date Reported	Oct 01, 2025

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004 and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Man-made vitreous fibre (MMVF)	Fibres exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and bio-soluble fibres. NOTE: previously known as "synthetic mineral fibre" (SMF). Simple analytical procedures such as polarised light microscopy cannot detect or reliably identify asbestos in some types of commercial products containing asbestos, either because the fibres are below the resolution of optical microscopy or because the matrix material adheres too strongly to the fibres. For these types of products, electron microscopy may be necessary.
Subsampling Soil Samples	The sample submitted is dried and passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm and greater than 2 mm and the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 g to 60 g, then a subsampling routine based on ISO 3082:2017(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be subsampled for trace analysis, in accordance with AS 5370:2024*.*
Bonded asbestos-containing material (ACM)	The material is first examined, and any fibres are isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 5370:2024*. *NOTE: Even after disintegration, it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting (LOR)	The performance limitation of the AS 5370:2024* method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory limit of reporting, per se. Examination of large sample size (e.g., 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 5370:2024*, and hence, NATA Accreditation does not cover the performance of this service (non-NATA results are shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964-2004: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.*

Project Name 4 FLEET STREET
Project ID 254833
Date Sampled Sep 24, 2025
Report 1272591-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
HA01	25-Se0078457	Sep 24, 2025	Approximate Sample 550g Sample consisted of: Brown coarse-grained sandy soil, plant residues and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
HA02	25-Se0078458	Sep 24, 2025	Approximate Sample 429g Sample consisted of: Brown coarse-grained sandy soil, plant residues and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
HA03	25-Se0078459	Sep 24, 2025	Approximate Sample 421g Sample consisted of: Brown coarse-grained sandy soil, plant residues and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
ASB01	25-Se0078464	Sep 24, 2025	Approximate Sample 24g / 93 x 65 x 5mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
ASB02	25-Se0078465	Sep 24, 2025	Approximate Sample 66g / 90 x 62 x 10mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
ASB03	25-Se0078466	Sep 24, 2025	Approximate Sample 20g / 75 x 52 x 6mm Sample consisted of: Beige fibre cement material (a) White paint (b)	No asbestos detected Organic fibre detected (a) 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	Sep 25, 2025	Indefinite
Asbestos - LTM-ASB-8020	Newcastle	Sep 25, 2025	Indefinite

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Eurofins Analytical Services Manager : Andrew Black

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	BH01-0.1	Sep 24, 2025		Soil	N25-Se0078395					X	X	X		
2	BH02-0.1	Sep 24, 2025		Soil	N25-Se0078396					X	X	X		
3	BH02-0.5	Sep 24, 2025		Soil	N25-Se0078397						X	X		
4	BH03-0.1	Sep 24, 2025		Soil	N25-Se0078398					X	X	X		
5	BH04-0.1	Sep 24, 2025		Soil	N25-Se0078399					X	X	X		
6	BH04-0.4	Sep 24, 2025		Soil	N25-Se0078400						X	X		
7	BH05-0.1	Sep 24, 2025		Soil	N25-Se0078401					X	X	X		
8	BH05-0.5	Sep 24, 2025		Soil	N25-Se0078402						X	X		
9	BH06-0.1	Sep 24, 2025		Soil	N25-Se0078403					X	X	X		
10	BH06-0.6	Sep 24, 2025		Soil	N25-Se0078404						X	X		
11	BH07-0.1	Sep 24, 2025		Soil	N25-Se0078405					X	X	X		
12	BH07-DEEP	Sep 24, 2025		Soil	N25-Se0078406			X						
13	BH08-0.1	Sep 24, 2025		Soil	N25-Se0078407					X	X	X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
14	BH09-0.1	Sep 24, 2025		Soil	N25-Se0078408					X	X	X		
15	BH09-0.2	Sep 24, 2025		Soil	N25-Se0078409						X	X		
16	BH10-0.1	Sep 24, 2025		Soil	N25-Se0078410					X	X	X		
17	BH10-0.3	Sep 24, 2025		Soil	N25-Se0078411						X	X		
18	BH11-0.1	Sep 24, 2025		Soil	N25-Se0078412					X	X	X		
19	BH11-0.6	Sep 24, 2025		Soil	N25-Se0078413						X	X		
20	BH12-0.1	Sep 24, 2025		Soil	N25-Se0078414					X	X	X		
21	BH12-0.4	Sep 24, 2025		Soil	N25-Se0078415						X	X		
22	BH13-0.1	Sep 24, 2025		Soil	N25-Se0078416					X	X	X		
23	BH14-0.1	Sep 24, 2025		Soil	N25-Se0078417					X	X	X		
24	BH14-0.5	Sep 24, 2025		Soil	N25-Se0078418						X	X		
25	BH15-0.1	Sep 24, 2025		Soil	N25-Se0078419					X	X	X		
26	BH15-0.3	Sep 24, 2025		Soil	N25-Se0078420						X	X		
27	BH16-0.1	Sep 24, 2025		Soil	N25-Se0078421					X	X	X		
28	SP1-01	Sep 24, 2025		Soil	N25-Se0078422						X	X		
29	SP1-02	Sep 24, 2025		Soil	N25-Se0078423						X	X		

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
30	SP1-03	Sep 24, 2025		Soil	N25-Se0078424						X	X		
31	SP1-04	Sep 24, 2025		Soil	N25-Se0078425						X	X		
32	SP1-05	Sep 24, 2025		Soil	N25-Se0078426						X	X		
33	SP1-06	Sep 24, 2025		Soil	N25-Se0078427						X	X		
34	SP1-07	Sep 24, 2025		Soil	N25-Se0078428						X	X		
35	SP1-08	Sep 24, 2025		Soil	N25-Se0078429						X	X		
36	SP1-09	Sep 24, 2025		Soil	N25-Se0078430						X	X		
37	SP1-10	Sep 24, 2025		Soil	N25-Se0078431						X	X		
38	SP2-01	Sep 24, 2025		Soil	N25-Se0078432						X	X		
39	SP2-02	Sep 24, 2025		Soil	N25-Se0078433						X	X		
40	SP2-03	Sep 24, 2025		Soil	N25-Se0078434						X	X		
41	SP2-04	Sep 24, 2025		Soil	N25-Se0078435						X	X		
42	SP2-05	Sep 24, 2025		Soil	N25-Se0078436						X	X		
43	SP2-06	Sep 24, 2025		Soil	N25-Se0078437						X	X		
44	SP2-07	Sep 24, 2025		Soil	N25-Se0078438						X	X		
45	SP2-08	Sep 24, 2025		Soil	N25-Se0078439						X	X		

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Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
46	SP2-09	Sep 24, 2025		Soil	N25-Se0078440						X	X		
47	SP2-10	Sep 24, 2025		Soil	N25-Se0078441						X	X		
48	SP3-01	Sep 24, 2025		Soil	N25-Se0078442						X	X		
49	SP3-02	Sep 24, 2025		Soil	N25-Se0078443						X	X		
50	SP3-03	Sep 24, 2025		Soil	N25-Se0078444						X	X		
51	SP3-04	Sep 24, 2025		Soil	N25-Se0078445						X	X		
52	SP3-05	Sep 24, 2025		Soil	N25-Se0078446						X	X		
53	SP3-06	Sep 24, 2025		Soil	N25-Se0078447						X	X		
54	SP3-07	Sep 24, 2025		Soil	N25-Se0078448						X	X		
55	SP3-08	Sep 24, 2025		Soil	N25-Se0078449						X	X		
56	SP3-09	Sep 24, 2025		Soil	N25-Se0078450						X	X		
57	SP3-10	Sep 24, 2025		Soil	N25-Se0078451						X	X		
58	SP4-01	Sep 24, 2025		Soil	N25-Se0078452						X	X		
59	SP4-02	Sep 24, 2025		Soil	N25-Se0078453						X	X		
60	SP4-03	Sep 24, 2025		Soil	N25-Se0078454						X	X		
61	SP4-04	Sep 24, 2025		Soil	N25-Se0078455						X	X		

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Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
62	SP4-05	Sep 24, 2025		Soil	N25-Se0078456						X	X		
63	HA01	Sep 24, 2025		Soil	N25-Se0078457	X					X	X		
64	HA02	Sep 24, 2025		Soil	N25-Se0078458	X					X	X		
65	HA03	Sep 24, 2025		Soil	N25-Se0078459	X					X	X		
66	QC01-BH01-0.1	Sep 24, 2025		Soil	N25-Se0078460						X	X		
67	QC02-BH16-01	Sep 24, 2025		Soil	N25-Se0078461						X	X		
68	QC03-HA01	Sep 24, 2025		Soil	N25-Se0078462						X	X		
69	QC04-SP01-03	Sep 24, 2025		Soil	N25-Se0078463						X	X		
70	ASB01	Sep 24, 2025		Building Materials	N25-Se0078464		X							
71	ASB02	Sep 24, 2025		Building Materials	N25-Se0078465		X							
72	ASB03	Sep 24, 2025		Building Materials	N25-Se0078466		X							
73	SP5-01	Sep 24, 2025		Soil	N25-Se0078467						X	X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1272591
Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
74	SP5-02	Sep 24, 2025		Soil	N25-Se0078468						X	X		
75	SP5-03	Sep 24, 2025		Soil	N25-Se0078469						X	X		
76	SP5-04	Sep 24, 2025		Soil	N25-Se0078470						X	X		
77	SP5-05	Sep 24, 2025		Soil	N25-Se0078471						X	X		
78	BH18-0.1	Sep 24, 2025		Soil	N25-Se0078472						X	X		
79	BH19-0.1	Sep 24, 2025		Soil	N25-Se0078473						X	X		
80	BH17_0.1	Sep 24, 2025		Soil	N25-Se0078698						X	X		
81	QC05-SP05-01	Sep 24, 2025		Soil	N25-Se0078699				X					
82	Trip Spike	Sep 24, 2025		Trip Spike (solid)	N25-Se0078700									X
83	Trip Blank	Sep 24, 2025		Trip Blank (solid)	N25-Se0078702								X	
84	Trip Spike	Sep 24, 2025		Trip Spike (solid)	N25-Se0078703									X
85	Trip Blank	Sep 24, 2025		Trip Blank (solid)	N25-Se0078705								X	

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NATA# 2377
Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1272591
Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217	X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079		X							
Test Counts	3	3	1	1	16	76	76	2	2

Internal Quality Control Review and Glossary General

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

Holding Times

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

Units

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

Calculations

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

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

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

Terms

%Asbestos	Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**). This estimate is not NATA-accredited.
ACM	Asbestos Containing Materials. Asbestos in a non-asbestos matrix is typically presented in bonded (non-friable) condition. For the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material, such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable".
AFM	Airborne Fibre Monitoring, e.g., by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total %w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w**).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
Dry	Sample is dried by heating before analysis.
DS	Dispersion Staining. The technique required for unequivocal identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos-containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material previously non-friable and severely degraded. For the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to distinguish visibly and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess the degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021), ISBN: 9780616667079.
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012), ISBN: 9780717665020
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
MMVF	Man-Made Vitreous Fibre - exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and "bio-soluble fibres. NOTE: previously known as "synthetic mineral fibre" (SMF).
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified per AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
PCM	Phase Contrast Microscopy. This is used for fibre counting, according to the MFM.
PLM	Polarised Light Microscopy. It is used for fibre identification and residual analysis according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
Sampling	Unless otherwise stated, Eurofins are not responsible for sampling equipment or the sampling process.
SRA	Sample Receipt Advice.
Residual Analysis	An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly Trace Analysis in AS 4964-2004.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
Inconclusive	Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. It may include (but is not limited to) actinolite, anthophyllite, or tremolite asbestos. SEM/TEM is required for definitive identification.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
Weighted Average	Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**).

Comments

Sample Integrity

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

Asbestos Counter/Identifier:

Paul Arendse	Senior Analyst-Asbestos
Anita Weinberg	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos
Bryce Keegan	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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Certificate of Analysis

DRB Consulting Engineers
21 Sturdee Street
New Lambton
NSW 2305

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Paul Wright**

Report **1272591-S**
Project name 4 FLEET STREET
Project ID 254833
Received Date Sep 24, 2025

Client Sample ID			G01 **BH01-0.1**	**BH02-0.1**	**BH02-0.5**	**BH03-0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**N25-Se0078395**	**N25-Se0078396**	**N25-Se0078397**	**N25-Se0078398**
Date Sampled			**Sep 24, 2025**	**Sep 24, 2025**	**Sep 24, 2025**	**Sep 24, 2025**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 40	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 100	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 100	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 100	< 50	< 50	< 50
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	%	115	139	123	117
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene N02	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)* N01	50	mg/kg	< 100	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) N04	20	mg/kg	< 20	< 20	< 20	< 20
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

Client Sample ID			G01 BH01-0.1	BH02-0.1	BH02-0.5	BH03-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078395	N25-Se0078396	N25-Se0078397	N25-Se0078398
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	135	76	77
p-Terphenyl-d14 (surr.)	1	%	141	147	81	100
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
a-HCH	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
b-HCH	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
d-HCH	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Toxaphene	0.5	mg/kg	< 10	< 0.5	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	129	122	-	73
Tetrachloro-m-xylene (surr.)	1	%	133	135	-	68
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Bolstar	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Coumaphos	2	mg/kg	< 5	< 2	-	< 2
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Diazinon	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
EPN	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Ethion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2

Client Sample ID			G01 BH01-0.1	BH02-0.1	BH02-0.5	BH03-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078395	N25-Se0078396	N25-Se0078397	N25-Se0078398
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Fenthion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Malathion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Merphos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Monocrotophos	2	mg/kg	< 5	< 2	-	< 2
Naled	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Omethoate	2	mg/kg	< 5	< 2	-	< 2
Phorate	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Ronnel	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Terbufos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	-	< 0.2
Triphenylphosphate (surr.)	1	%	141	134	-	89
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 100	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 200	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 200	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 200	< 100	< 100	< 100
Heavy Metals						
Arsenic	2	mg/kg	3.1	3.9	5.7	4.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	6.8	< 5	< 5	< 5
Copper	5	mg/kg	5.3	< 5	5.1	5.3
Lead	5	mg/kg	7.9	9.3	11	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	32	28	79	38
Sample Properties						
% Moisture	1	%	9.7	9.4	8.0	12

Client Sample ID			BH04-0.1	BH04-0.4	BH05-0.1	BH05-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078399	N25-Se0078400	N25-Se0078401	N25-Se0078402
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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
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	%	101	102	131	84
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	78	89	79
p-Terphenyl-d14 (surr.)	1	%	134	73	75	71
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	-

Client Sample ID			BH04-0.1	BH04-0.4	BH05-0.1	BH05-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078399	N25-Se0078400	N25-Se0078401	N25-Se0078402
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	99	-	[G07]INT	-
Tetrachloro-m-xylene (surr.)	1	%	107	-	71	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			BH04-0.1	BH04-0.4	BH05-0.1	BH05-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078399	N25-Se0078400	N25-Se0078401	N25-Se0078402
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	128	-	[G07]INT	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	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
Heavy Metals						
Arsenic	2	mg/kg	5.2	4.4	5.3	5.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	5.6	< 5
Copper	5	mg/kg	< 5	< 5	< 5	< 5
Lead	5	mg/kg	14	13	12	12
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	29	41	42	39
Sample Properties						
% Moisture	1	%	10	13	7.2	7.6

Client Sample ID			BH06-0.1	BH06-0.6	BH07-0.1	BH08-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078403	N25-Se0078404	N25-Se0078405	N25-Se0078407
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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	84	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	84	< 50	< 50
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	126	81	127

Client Sample ID			BH06-0.1	BH06-0.6	BH07-0.1	BH08-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078403	N25-Se0078404	N25-Se0078405	N25-Se0078407
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	6.1	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	6.1	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	6.1	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	1.0	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	2.9	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	4.3	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	3.4	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	3.4	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	3.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	3.6	< 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	12	< 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	2.9	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	4.9	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	11	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	53	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	91	96	77	109
p-Terphenyl-d14 (surr.)	1	%	77	79	72	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

Client Sample ID			BH06-0.1	BH06-0.6	BH07-0.1	BH08-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078403	N25-Se0078404	N25-Se0078405	N25-Se0078407
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	106	-	62	69
Tetrachloro-m-xylene (surr.)	1	%	81	-	75	95
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	%	91	-	69	96
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	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			BH06-0.1	BH06-0.6	BH07-0.1	BH08-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078403	N25-Se0078404	N25-Se0078405	N25-Se0078407
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.2	2.5	5.8	5.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	< 5	5.9
Copper	5	mg/kg	6.3	5.6	< 5	< 5
Lead	5	mg/kg	9.9	17	11	11
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	38	18	37	31
Sample Properties						
% Moisture	1	%	7.4	6.1	6.6	9.0

Client Sample ID			BH09-0.1	BH09-0.2	BH10-0.1	BH10-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078408	N25-Se0078409	N25-Se0078410	N25-Se0078411
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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	170	110	< 50	< 50
TRH C29-C36	50	mg/kg	64	100	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	234	210	< 50	< 50
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	%	59	INT	125	135
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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

Client Sample ID			BH09-0.1	BH09-0.2	BH10-0.1	BH10-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078408	N25-Se0078409	N25-Se0078410	N25-Se0078411
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	116	92	129
p-Terphenyl-d14 (surr.)	1	%	136	124	104	127
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	%	92	-	93	-
Tetrachloro-m-xylene (surr.)	1	%	113	-	94	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			BH09-0.1	BH09-0.2	BH10-0.1	BH10-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078408	N25-Se0078409	N25-Se0078410	N25-Se0078411
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	91	-	104	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	210	170	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	210	170	< 100	< 100
Heavy Metals						
Arsenic	2	mg/kg	5.5	6.1	8.3	3.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	< 5	8.8	< 5
Copper	5	mg/kg	< 5	< 5	15	< 5
Lead	5	mg/kg	14	16	11	< 5
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	22	31	61	8.3
Sample Properties						
% Moisture	1	%	3.0	4.6	5.5	4.8

Client Sample ID			BH11-0.1	BH11-0.6	BH12-0.1	BH12-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078412	N25-Se0078413	N25-Se0078414	N25-Se0078415
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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	93	85	200
TRH C29-C36	50	mg/kg	< 50	52	170	370
TRH C10-C36 (Total)	50	mg/kg	< 50	145	255	570
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	INT	50	56
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	0.6	< 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	0.6	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	87	100	113	104
p-Terphenyl-d14 (surr.)	1	%	76	101	104	100
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	-

Client Sample ID			BH11-0.1	BH11-0.6	BH12-0.1	BH12-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078412	N25-Se0078413	N25-Se0078414	N25-Se0078415
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	89	-	97	-
Tetrachloro-m-xylene (surr.)	1	%	83	-	90	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			BH11-0.1	BH11-0.6	BH12-0.1	BH12-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078412	N25-Se0078413	N25-Se0078414	N25-Se0078415
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	86	-	91	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	120	220	480
TRH >C34-C40	100	mg/kg	< 100	< 100	180	340
TRH >C10-C40 (total)*	100	mg/kg	< 100	120	400	820
Heavy Metals						
Arsenic	2	mg/kg	3.8	5.4	9.5	4.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	< 5	< 5
Copper	5	mg/kg	< 5	6.8	< 5	< 5
Lead	5	mg/kg	16	12	24	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	28	21	29	29
Sample Properties						
% Moisture	1	%	7.4	13	6.1	11

Client Sample ID			BH13-0.1	BH14-0.1	BH14-0.5	BH15-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078416	N25-Se0078417	N25-Se0078418	N25-Se0078419
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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	52	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	52	< 50	< 50	< 50
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	%	67	57	129	INT

Client Sample ID			BH13-0.1	BH14-0.1	BH14-0.5	BH15-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078416	N25-Se0078417	N25-Se0078418	N25-Se0078419
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	97	127	119
p-Terphenyl-d14 (surr.)	1	%	125	89	144	121
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

Client Sample ID			BH13-0.1	BH14-0.1	BH14-0.5	BH15-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078416	N25-Se0078417	N25-Se0078418	N25-Se0078419
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	[G01]INT	94	-	118
Tetrachloro-m-xylene (surr.)	1	%	125	83	-	107
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	-	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	-	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
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	%	149	82	-	96
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	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			BH13-0.1	BH14-0.1	BH14-0.5	BH15-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078416	N25-Se0078417	N25-Se0078418	N25-Se0078419
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	17	4.5	3.6	7.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	8.0	< 5	< 5	5.2
Copper	5	mg/kg	21	< 5	5.2	< 5
Lead	5	mg/kg	19	9.1	8.6	11
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	110	29	37	35
Sample Properties						
% Moisture	1	%	6.9	5.8	11	4.4

Client Sample ID			BH15-0.3	BH16-0.1	SP1-01	SP1-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078420	N25-Se0078421	N25-Se0078422	N25-Se0078423
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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
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	53	97	105
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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

Client Sample ID			BH15-0.3	BH16-0.1	SP1-01	SP1-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078420	N25-Se0078421	N25-Se0078422	N25-Se0078423
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	120	127	79	102
p-Terphenyl-d14 (surr.)	1	%	117	116	101	100
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	102	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	100	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	-	-
Bolstar	0.2	mg/kg	-	< 0.2	-	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	-	-
Chlorpyrifos	0.2	mg/kg	-	< 0.2	-	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	-	-
Coumaphos	2	mg/kg	-	< 2	-	-
Demeton-S	0.2	mg/kg	-	< 0.2	-	-
Demeton-O	0.2	mg/kg	-	< 0.2	-	-
Diazinon	0.2	mg/kg	-	< 0.2	-	-

Client Sample ID			BH15-0.3	BH16-0.1	SP1-01	SP1-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078420	N25-Se0078421	N25-Se0078422	N25-Se0078423
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	-	< 0.2	-	-
Dimethoate	0.2	mg/kg	-	< 0.2	-	-
Disulfoton	0.2	mg/kg	-	< 0.2	-	-
EPN	0.2	mg/kg	-	< 0.2	-	-
Ethion	0.2	mg/kg	-	< 0.2	-	-
Ethoprop	0.2	mg/kg	-	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	-	< 0.2	-	-
Fenitrothion	0.2	mg/kg	-	< 0.2	-	-
Fensulfothion	0.2	mg/kg	-	< 0.2	-	-
Fenthion	0.2	mg/kg	-	< 0.2	-	-
Malathion	0.2	mg/kg	-	< 0.2	-	-
Merphos	0.2	mg/kg	-	< 0.2	-	-
Methyl parathion	0.2	mg/kg	-	< 0.2	-	-
Mevinphos	0.2	mg/kg	-	< 0.2	-	-
Monocrotophos	2	mg/kg	-	< 2	-	-
Naled	0.2	mg/kg	-	< 0.2	-	-
Omethoate	2	mg/kg	-	< 2	-	-
Phorate	0.2	mg/kg	-	< 0.2	-	-
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	-	-
Pyrazophos	0.2	mg/kg	-	< 0.2	-	-
Ronnel	0.2	mg/kg	-	< 0.2	-	-
Terbufos	0.2	mg/kg	-	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	-	-
Tokuthion	0.2	mg/kg	-	< 0.2	-	-
Trichloronate	0.2	mg/kg	-	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	-	102	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	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
Heavy Metals						
Arsenic	2	mg/kg	6.1	6.1	3.3	3.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	< 5	< 5
Copper	5	mg/kg	< 5	6.7	< 5	7.2
Lead	5	mg/kg	7.2	5.8	14	25
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	18	25	32	48
Sample Properties						
% Moisture	1	%	6.4	12	13	14

Client Sample ID			SP1-03	SP1-04	SP1-05	SP1-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078424	N25-Se0078425	N25-Se0078426	N25-Se0078427
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	105	104	121	116
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	%	104	134	102	78
p-Terphenyl-d14 (surr.)	1	%	102	125	97	77
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	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			SP1-03	SP1-04	SP1-05	SP1-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078424	N25-Se0078425	N25-Se0078426	N25-Se0078427
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	2.9	2.3	4.1	3.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	< 5	< 5
Copper	5	mg/kg	6.7	5.9	5.1	5.4
Lead	5	mg/kg	21	17	7.7	8.8
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	38	26	37	36
Sample Properties						
% Moisture	1	%	13	12	8.5	10

Client Sample ID			SP1-07	SP1-08	SP1-09	SP1-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078428	N25-Se0078429	N25-Se0078430	N25-Se0078431
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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	87	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	87	< 50	< 50
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	88	104	109
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	0.6	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	1.0	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.3	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	0.6	< 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

Client Sample ID			SP1-07	SP1-08	SP1-09	SP1-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078428	N25-Se0078429	N25-Se0078430	N25-Se0078431
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	0.6	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	77	82	73	88
p-Terphenyl-d14 (surr.)	1	%	77	86	69	89
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	110	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	110	< 100	< 100
Heavy Metals						
Arsenic	2	mg/kg	7.1	5.0	6.6	5.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	6.3	< 5	5.1	< 5
Copper	5	mg/kg	6.5	< 5	6.7	6.8
Lead	5	mg/kg	15	7.5	15	8.5
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	56	38	52	38
Sample Properties						
% Moisture	1	%	10.0	12	11	11

Client Sample ID			SP2-01	SP2-02	SP2-03	SP2-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078432	N25-Se0078433	N25-Se0078434	N25-Se0078435
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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	69	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	69	< 50	< 50
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	%	89	96	111	81

Client Sample ID			SP2-01	SP2-02	SP2-03	SP2-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078432	N25-Se0078433	N25-Se0078434	N25-Se0078435
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	%	70	64	99	105
p-Terphenyl-d14 (surr.)	1	%	75	63	93	103
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	120	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	120	< 100	< 100
Heavy Metals						
Arsenic	2	mg/kg	6.1	5.6	3.8	7.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	< 5	5.8
Copper	5	mg/kg	< 5	< 5	< 5	< 5
Lead	5	mg/kg	11	15	8.0	15
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	17	34	24	41
Sample Properties						
% Moisture	1	%	12	12	12	13

Client Sample ID			SP2-05	SP2-06	SP2-07	SP2-08
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078436	N25-Se0078437	N25-Se0078438	N25-Se0078439
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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
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	%	114	109	97	113
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	%	72	76	73	89
p-Terphenyl-d14 (surr.)	1	%	69	70	64	79
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	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			SP2-05	SP2-06	SP2-07	SP2-08
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078436	N25-Se0078437	N25-Se0078438	N25-Se0078439
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	11	6.8	6.5	6.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	6.4	< 5
Copper	5	mg/kg	< 5	< 5	5.4	< 5
Lead	5	mg/kg	19	15	14	13
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	31	35	93	76
Sample Properties						
% Moisture	1	%	13	2.1	15	15

Client Sample ID			SP2-09	SP2-10	SP3-01	[G01]SP3-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078440	N25-Se0078441	N25-Se0078442	N25-Se0078443
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	82
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	130
TRH C29-C36	50	mg/kg	< 50	< 50	94	< 100
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	94	212
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	%	114	111	78	75
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 100
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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

Client Sample ID			SP2-09	SP2-10	SP3-01	[G01]SP3-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078440	N25-Se0078441	N25-Se0078442	N25-Se0078443
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	78	102	71	83
p-Terphenyl-d14 (surr.)	1	%	75	103	63	93
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 100
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 200
TRH >C34-C40	100	mg/kg	< 100	< 100	150	< 200
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	150	< 200
Heavy Metals						
Arsenic	2	mg/kg	5.1	6.9	4.6	2.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	24	11
Copper	5	mg/kg	< 5	< 5	8.1	< 5
Lead	5	mg/kg	13	14	18	13
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	6.6	< 5
Zinc	5	mg/kg	30	34	45	23
Sample Properties						
% Moisture	1	%	11	13	3.6	6.2

Client Sample ID			[G01]SP3-03	[G01]SP3-04	[G01]SP3-05	[G01]SP3-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078444	N25-Se0078445	N25-Se0078446	N25-Se0078447
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 100	< 40	< 100	< 100
TRH C15-C28	50	mg/kg	< 250	< 100	< 250	< 250
TRH C29-C36	50	mg/kg	320	< 100	< 250	< 250
TRH C10-C36 (Total)	50	mg/kg	320	< 100	< 250	< 250
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	%	111	78	79	95

Client Sample ID			G01 SP3-03	G01 SP3-04	G01 SP3-05	G01 SP3-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078444	N25-Se0078445	N25-Se0078446	N25-Se0078447
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene N02	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)* N01	50	mg/kg	< 250	< 100	< 250	< 250
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) N04	20	mg/kg	< 20	< 20	< 20	< 20
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	%	71	87	72	62
p-Terphenyl-d14 (surr.)	1	%	84	101	80	83
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 250	< 100	< 250	< 250
TRH >C16-C34	100	mg/kg	< 500	< 200	< 500	< 500
TRH >C34-C40	100	mg/kg	< 500	< 200	< 500	< 500
TRH >C10-C40 (total)*	100	mg/kg	< 500	< 200	< 500	< 500
Heavy Metals						
Arsenic	2	mg/kg	3.5	4.6	3.3	4.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	12	7.1	16
Copper	5	mg/kg	< 5	< 5	< 5	7.6
Lead	5	mg/kg	17	18	17	19
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	5.6
Zinc	5	mg/kg	23	32	29	38
Sample Properties						
% Moisture	1	%	3.2	4.5	7.3	6.6

Client Sample ID			[G01]SP3-07	[G01]SP3-08	SP3-09	[G01]SP3-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078448	N25-Se0078449	N25-Se0078450	N25-Se0078451
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 40	< 100	< 20	< 100
TRH C15-C28	50	mg/kg	< 100	< 250	170	< 250
TRH C29-C36	50	mg/kg	130	660	620	370
TRH C10-C36 (Total)	50	mg/kg	130	660	790	370
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	%	127	121	89	106
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 100	< 250	< 50	< 250
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	%	67	76	68	72
p-Terphenyl-d14 (surr.)	1	%	87	82	69	86
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 100	< 250	< 50	< 250
TRH >C16-C34	100	mg/kg	< 200	550	580	< 500
TRH >C34-C40	100	mg/kg	320	1100	1400	720
TRH >C10-C40 (total)*	100	mg/kg	320	1650	1980	720

Client Sample ID			[G01]SP3-07	[G01]SP3-08	SP3-09	[G01]SP3-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078448	N25-Se0078449	N25-Se0078450	N25-Se0078451
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.5	3.4	2.4	4.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	14	7.8	7.7	13
Copper	5	mg/kg	< 5	< 5	< 5	< 5
Lead	5	mg/kg	18	16	11	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	40	29	17	28
Sample Properties						
% Moisture	1	%	7.0	4.9	4.7	3.3

Client Sample ID			[G01]SP4-01	SP4-02	SP4-03	SP4-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078452	N25-Se0078453	N25-Se0078454	N25-Se0078455
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 40	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 100	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 100	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 100	< 50	< 50	< 50
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	%	76	116	98	84
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 100	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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

Client Sample ID			G01 SP4-01	SP4-02	SP4-03	SP4-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078452	N25-Se0078453	N25-Se0078454	N25-Se0078455
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	0.6	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	0.6	< 0.5
2-Fluorobiphenyl (surr.)	1	%	84	82	72	139
p-Terphenyl-d14 (surr.)	1	%	95	88	88	137
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 100	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 200	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 200	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 200	< 100	< 100	< 100
Heavy Metals						
Arsenic	2	mg/kg	5.5	5.6	12	34
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	8.1	8.8	5.7	9.2
Copper	5	mg/kg	10	10	< 5	12
Lead	5	mg/kg	11	15	6.8	10
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	61	200	33	53
Sample Properties						
% Moisture	1	%	14	11	9.7	14

Client Sample ID			SP4-05	HA01	HA02	HA03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078456	N25-Se0078457	N25-Se0078458	N25-Se0078459
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
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	69
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	93
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	162
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	%	127	145	119	107

Client Sample ID			SP4-05	HA01	HA02	HA03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078456	N25-Se0078457	N25-Se0078458	N25-Se0078459
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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	%	125	107	78	110
p-Terphenyl-d14 (surr.)	1	%	124	116	93	94
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	140
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	140
Heavy Metals						
Arsenic	2	mg/kg	5.9	4.1	3.8	3.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	7.2	6.2	< 5	< 5
Copper	5	mg/kg	< 5	< 5	5.6	< 5
Lead	5	mg/kg	12	13	12	9.3
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	34	90	30	130
Sample Properties						
% Moisture	1	%	12	14	13	18

Client Sample ID			G01 QC01-BH01-0.1	QC02-BH16-01	QC03-HA01	QC04-SP01-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078460	N25-Se0078461	N25-Se0078462	N25-Se0078463
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 100	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 250	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	310	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	310	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	58	INT	58	112
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene N02	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)* N01	50	mg/kg	< 250	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) N04	20	mg/kg	< 20	< 20	< 20	< 20
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	%	89	93	111	102
p-Terphenyl-d14 (surr.)	1	%	92	78	108	136
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 250	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 500	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 500	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 500	< 100	< 100	< 100

Client Sample ID			[G01]QC01-BH01-0.1	QC02-BH16-01	QC03-HA01	QC04-SP01-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078460	N25-Se0078461	N25-Se0078462	N25-Se0078463
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	3.3	7.1	3.9	3.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	< 5	8.1	< 5
Copper	5	mg/kg	8.2	5.6	< 5	9.1
Lead	5	mg/kg	7.2	5.8	12	26
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.5	< 5	< 5	< 5
Zinc	5	mg/kg	38	25	120	56
Sample Properties						
% Moisture	1	%	9.0	12	13	10

Client Sample ID			[G01]SP5-01	[G01]SP5-02	SP5-03	[G01]SP5-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078467	N25-Se0078468	N25-Se0078469	N25-Se0078470
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 100	< 100	26	< 100
TRH C15-C28	50	mg/kg	270	450	390	400
TRH C29-C36	50	mg/kg	980	1600	1400	1300
TRH C10-C36 (Total)	50	mg/kg	1250	2050	1816	1700
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	52	109	106
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 250	< 250	< 50	< 250
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
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

Client Sample ID			G01SP5-01	G01SP5-02	SP5-03	G01SP5-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078467	N25-Se0078468	N25-Se0078469	N25-Se0078470
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	110	133	65	71
p-Terphenyl-d14 (surr.)	1	%	120	139	64	66
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 250	< 250	< 50	< 250
TRH >C16-C34	100	mg/kg	890	1500	1300	1200
TRH >C34-C40	100	mg/kg	1400	3300	2800	1900
TRH >C10-C40 (total)*	100	mg/kg	2290	4800	4100	3100
Heavy Metals						
Arsenic	2	mg/kg	< 2	< 2	2.2	2.1
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	< 5	< 5	< 5
Copper	5	mg/kg	< 5	< 5	< 5	< 5
Lead	5	mg/kg	8.4	6.3	7.8	9.8
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	29	27	24	35
Sample Properties						
% Moisture	1	%	3.2	4.2	7.6	3.0

Client Sample ID			G01SP5-05	BH18-0.1	BH19-0.1	BH17_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078471	N25-Se0078472	N25-Se0078473	N25-Se0078698
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 100	< 20	< 20	46
TRH C15-C28	50	mg/kg	< 250	< 50	< 50	560
TRH C29-C36	50	mg/kg	830	< 50	90	220
TRH C10-C36 (Total)	50	mg/kg	830	< 50	90	826
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	64	121	110

Client Sample ID			G01 SP5-05	BH18-0.1	BH19-0.1	BH17_0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Se0078471	N25-Se0078472	N25-Se0078473	N25-Se0078698
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene N02	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2)* N01	50	mg/kg	< 250	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) N04	20	mg/kg	< 20	< 20	< 20	< 20
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	27
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	27
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	27
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.8
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.6
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	7.9
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	16
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	18
Benzo(b&j)fluoranthene N07	0.5	mg/kg	< 0.5	< 0.5	< 0.5	12
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	14
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	17
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	17
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	2.9
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	56
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	3.2
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	10
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.0
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	35
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	50
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	260
2-Fluorobiphenyl (surr.)	1	%	148	86	137	91
p-Terphenyl-d14 (surr.)	1	%	136	83	135	90
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 250	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	640	< 100	< 100	710
TRH >C34-C40	100	mg/kg	1400	< 100	150	180
TRH >C10-C40 (total)*	100	mg/kg	2040	< 100	150	890
Heavy Metals						
Arsenic	2	mg/kg	3.3	4.5	3.3	4.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	7.8	< 5	< 5	< 5
Copper	5	mg/kg	< 5	5.1	6.3	70
Lead	5	mg/kg	9.7	10	8.9	13
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	30	32	27	37
Sample Properties						
% Moisture	1	%	6.0	8.7	12	5.2

Client Sample ID			Trip Spike	Trip Blank	Trip Spike	Trip Blank
Sample Matrix			Trip Spike (solid)	Trip Blank (solid)	Trip Spike (solid)	Trip Blank (solid)
Eurofins Sample No.			N25-Se0078700	N25-Se0078702	N25-Se0078703	N25-Se0078705
Date Sampled			Sep 24, 2025	Sep 24, 2025	Sep 24, 2025	Sep 24, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
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	%	-	126	-	126
TRH C6-C10	1	%	80	-	110	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	94	-	120	-
TRH C6-C9	1	%	81	-	100	-
TRH C6-C10	20	mg/kg	-	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-	< 20
BTEX						
Benzene	1	%	81	-	100	-
Ethylbenzene	1	%	79	-	110	-
m&p-Xylenes	1	%	80	-	110	-
o-Xylene	1	%	80	-	110	-
Toluene	1	%	79	-	100	-
Xylenes - Total	1	%	80	-	110	-
4-Bromofluorobenzene (surr.)	1	%	112	-	94	-
BTEX and Naphthalene						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5

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	Sep 28, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Sep 28, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 28, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Sep 27, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Sep 28, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 28, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Metals M8	Sydney	Sep 28, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Organochlorine Pesticides	Sydney	Sep 27, 2025	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Sep 27, 2025	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
% Moisture	Sydney	Sep 26, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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NSW 2305

Project Name: 4 FLEET STREET
Project ID: 254833

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Phone: 0401 542 446
Fax:

Received: Sep 24, 2025 4:56 PM
Due: Oct 1, 2025
Priority: 5 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence*	CANCELLED*	HOLD*	Suite B14: OCP/OPP	Moisture Set	Eurofins Suite B7	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	BH01-0.1	Sep 24, 2025		Soil	N25-Se0078395					X	X	X		
2	BH02-0.1	Sep 24, 2025		Soil	N25-Se0078396					X	X	X		
3	BH02-0.5	Sep 24, 2025		Soil	N25-Se0078397						X	X		
4	BH03-0.1	Sep 24, 2025		Soil	N25-Se0078398					X	X	X		
5	BH04-0.1	Sep 24, 2025		Soil	N25-Se0078399					X	X	X		
6	BH04-0.4	Sep 24, 2025		Soil	N25-Se0078400						X	X		
7	BH05-0.1	Sep 24, 2025		Soil	N25-Se0078401					X	X	X		
8	BH05-0.5	Sep 24, 2025		Soil	N25-Se0078402						X	X		
9	BH06-0.1	Sep 24, 2025		Soil	N25-Se0078403					X	X	X		
10	BH06-0.6	Sep 24, 2025		Soil	N25-Se0078404						X	X		
11	BH07-0.1	Sep 24, 2025		Soil	N25-Se0078405					X	X	X		
12	BH07-DEEP	Sep 24, 2025		Soil	N25-Se0078406			X						
13	BH08-0.1	Sep 24, 2025		Soil	N25-Se0078407					X	X	X		

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
14	BH09-0.1	Sep 24, 2025		Soil	N25-Se0078408					X	X	X		
15	BH09-0.2	Sep 24, 2025		Soil	N25-Se0078409						X	X		
16	BH10-0.1	Sep 24, 2025		Soil	N25-Se0078410					X	X	X		
17	BH10-0.3	Sep 24, 2025		Soil	N25-Se0078411						X	X		
18	BH11-0.1	Sep 24, 2025		Soil	N25-Se0078412					X	X	X		
19	BH11-0.6	Sep 24, 2025		Soil	N25-Se0078413						X	X		
20	BH12-0.1	Sep 24, 2025		Soil	N25-Se0078414					X	X	X		
21	BH12-0.4	Sep 24, 2025		Soil	N25-Se0078415						X	X		
22	BH13-0.1	Sep 24, 2025		Soil	N25-Se0078416					X	X	X		
23	BH14-0.1	Sep 24, 2025		Soil	N25-Se0078417					X	X	X		
24	BH14-0.5	Sep 24, 2025		Soil	N25-Se0078418						X	X		
25	BH15-0.1	Sep 24, 2025		Soil	N25-Se0078419					X	X	X		
26	BH15-0.3	Sep 24, 2025		Soil	N25-Se0078420						X	X		
27	BH16-0.1	Sep 24, 2025		Soil	N25-Se0078421					X	X	X		
28	SP1-01	Sep 24, 2025		Soil	N25-Se0078422						X	X		
29	SP1-02	Sep 24, 2025		Soil	N25-Se0078423						X	X		

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
30	SP1-03	Sep 24, 2025		Soil	N25-Se0078424						X	X		
31	SP1-04	Sep 24, 2025		Soil	N25-Se0078425						X	X		
32	SP1-05	Sep 24, 2025		Soil	N25-Se0078426						X	X		
33	SP1-06	Sep 24, 2025		Soil	N25-Se0078427						X	X		
34	SP1-07	Sep 24, 2025		Soil	N25-Se0078428						X	X		
35	SP1-08	Sep 24, 2025		Soil	N25-Se0078429						X	X		
36	SP1-09	Sep 24, 2025		Soil	N25-Se0078430						X	X		
37	SP1-10	Sep 24, 2025		Soil	N25-Se0078431						X	X		
38	SP2-01	Sep 24, 2025		Soil	N25-Se0078432						X	X		
39	SP2-02	Sep 24, 2025		Soil	N25-Se0078433						X	X		
40	SP2-03	Sep 24, 2025		Soil	N25-Se0078434						X	X		
41	SP2-04	Sep 24, 2025		Soil	N25-Se0078435						X	X		
42	SP2-05	Sep 24, 2025		Soil	N25-Se0078436						X	X		
43	SP2-06	Sep 24, 2025		Soil	N25-Se0078437						X	X		
44	SP2-07	Sep 24, 2025		Soil	N25-Se0078438						X	X		
45	SP2-08	Sep 24, 2025		Soil	N25-Se0078439						X	X		

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
46	SP2-09	Sep 24, 2025		Soil	N25-Se0078440						X	X		
47	SP2-10	Sep 24, 2025		Soil	N25-Se0078441						X	X		
48	SP3-01	Sep 24, 2025		Soil	N25-Se0078442						X	X		
49	SP3-02	Sep 24, 2025		Soil	N25-Se0078443						X	X		
50	SP3-03	Sep 24, 2025		Soil	N25-Se0078444						X	X		
51	SP3-04	Sep 24, 2025		Soil	N25-Se0078445						X	X		
52	SP3-05	Sep 24, 2025		Soil	N25-Se0078446						X	X		
53	SP3-06	Sep 24, 2025		Soil	N25-Se0078447						X	X		
54	SP3-07	Sep 24, 2025		Soil	N25-Se0078448						X	X		
55	SP3-08	Sep 24, 2025		Soil	N25-Se0078449						X	X		
56	SP3-09	Sep 24, 2025		Soil	N25-Se0078450						X	X		
57	SP3-10	Sep 24, 2025		Soil	N25-Se0078451						X	X		
58	SP4-01	Sep 24, 2025		Soil	N25-Se0078452						X	X		
59	SP4-02	Sep 24, 2025		Soil	N25-Se0078453						X	X		
60	SP4-03	Sep 24, 2025		Soil	N25-Se0078454						X	X		
61	SP4-04	Sep 24, 2025		Soil	N25-Se0078455						X	X		

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
62	SP4-05	Sep 24, 2025		Soil	N25-Se0078456						X	X		
63	HA01	Sep 24, 2025		Soil	N25-Se0078457	X					X	X		
64	HA02	Sep 24, 2025		Soil	N25-Se0078458	X					X	X		
65	HA03	Sep 24, 2025		Soil	N25-Se0078459	X					X	X		
66	QC01-BH01-0.1	Sep 24, 2025		Soil	N25-Se0078460						X	X		
67	QC02-BH16-01	Sep 24, 2025		Soil	N25-Se0078461						X	X		
68	QC03-HA01	Sep 24, 2025		Soil	N25-Se0078462						X	X		
69	QC04-SP01-03	Sep 24, 2025		Soil	N25-Se0078463						X	X		
70	ASB01	Sep 24, 2025		Building Materials	N25-Se0078464		X							
71	ASB02	Sep 24, 2025		Building Materials	N25-Se0078465		X							
72	ASB03	Sep 24, 2025		Building Materials	N25-Se0078466		X							
73	SP5-01	Sep 24, 2025		Soil	N25-Se0078467						X	X		

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
74	SP5-02	Sep 24, 2025		Soil	N25-Se0078468						X	X		
75	SP5-03	Sep 24, 2025		Soil	N25-Se0078469						X	X		
76	SP5-04	Sep 24, 2025		Soil	N25-Se0078470						X	X		
77	SP5-05	Sep 24, 2025		Soil	N25-Se0078471						X	X		
78	BH18-0.1	Sep 24, 2025		Soil	N25-Se0078472						X	X		
79	BH19-0.1	Sep 24, 2025		Soil	N25-Se0078473						X	X		
80	BH17_0.1	Sep 24, 2025		Soil	N25-Se0078698						X	X		
81	QC05-SP05-01	Sep 24, 2025		Soil	N25-Se0078699				X					
82	Trip Spike	Sep 24, 2025		Trip Spike (solid)	N25-Se0078700									X
83	Trip Spike Lab	Sep 24, 2025		Trip Spike (solid)	N25-Se0078701									X
84	Trip Blank	Sep 24, 2025		Trip Blank (solid)	N25-Se0078702								X	
85	Trip Spike	Sep 24, 2025		Trip Spike (solid)	N25-Se0078703									X

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X	X	X	X	X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X							
86	Trip Spike Lab	Sep 24, 2025		Trip Spike (solid)	N25-Se0078704									X
87	Trip Blank	Sep 24, 2025		Trip Blank (solid)	N25-Se0078705								X	
Test Counts						3	3	1	1	16	76	76	2	4

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

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

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
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	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	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							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
TRH C6-C9	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	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							
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							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
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	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	83			70-130	Pass	
TRH C10-C14	%	109			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	81			70-130	Pass	
Toluene	%	88			70-130	Pass	
Ethylbenzene	%	95			70-130	Pass	
m&p-Xylenes	%	95			70-130	Pass	
o-Xylene	%	99			70-130	Pass	
Xylenes - Total*	%	97			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	92			70-130	Pass	
TRH C6-C10	%	82			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	95			70-130	Pass	
Acenaphthylene	%	91			70-130	Pass	
Anthracene	%	91			70-130	Pass	
Benz(a)anthracene	%	92			70-130	Pass	
Benzo(a)pyrene	%	94			70-130	Pass	
Benzo(b&j)fluoranthene	%	97			70-130	Pass	
Benzo(g.h.i)perylene	%	105			70-130	Pass	
Benzo(k)fluoranthene	%	98			70-130	Pass	
Chrysene	%	97			70-130	Pass	
Dibenz(a.h)anthracene	%	104			70-130	Pass	
Fluoranthene	%	97			70-130	Pass	
Fluorene	%	99			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	103			70-130	Pass	
Naphthalene	%	97			70-130	Pass	
Phenanthrene	%	102			70-130	Pass	
Pyrene	%	105			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	95			70-130	Pass	
4.4'-DDD	%	70			70-130	Pass	
4.4'-DDE	%	89			70-130	Pass	
4.4'-DDT	%	71			70-130	Pass	
a-HCH	%	77			70-130	Pass	
Aldrin	%	92			70-130	Pass	
b-HCH	%	89			70-130	Pass	
d-HCH	%	91			70-130	Pass	
Dieldrin	%	94			70-130	Pass	
Endosulfan I	%	99			70-130	Pass	
Endosulfan II	%	73			70-130	Pass	
Endosulfan sulphate	%	78			70-130	Pass	
Endrin	%	79			70-130	Pass	
Endrin aldehyde	%	84			70-130	Pass	
Endrin ketone	%	87			70-130	Pass	
g-HCH (Lindane)	%	82			70-130	Pass	
Heptachlor	%	78			70-130	Pass	
Heptachlor epoxide	%	85			70-130	Pass	
Hexachlorobenzene	%	107			70-130	Pass	
Methoxychlor	%	81			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	105			70-130	Pass	
Dimethoate	%	121			70-130	Pass	
Ethion	%	82			70-130	Pass	
Fenitrothion	%	83			70-130	Pass	
Methyl parathion	%	79			70-130	Pass	
Mevinphos	%	121			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	%	106			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	87			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	102			70-130	Pass	
Toluene	%	89			70-130	Pass	
Ethylbenzene	%	99			70-130	Pass	
m&p-Xylenes	%	91			70-130	Pass	
o-Xylene	%	101			70-130	Pass	
Xylenes - Total*	%	94			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	99			70-130	Pass	
TRH C6-C10	%	88			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C10-C14	%	83			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	86			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Acenaphthylene	%	85			70-130	Pass	
Anthracene	%	93			70-130	Pass	
Benz(a)anthracene	%	77			70-130	Pass	
Benzo(a)pyrene	%	81			70-130	Pass	
Benzo(b&j)fluoranthene	%	81			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Benzo(k)fluoranthene	%	87			70-130	Pass	
Chrysene	%	83			70-130	Pass	
Dibenz(a.h)anthracene	%	78			70-130	Pass	
Fluoranthene	%	89			70-130	Pass	
Fluorene	%	90			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	77			70-130	Pass	
Naphthalene	%	82			70-130	Pass	
Phenanthrene	%	83			70-130	Pass	
Pyrene	%	86			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	%	80			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	103			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	99			70-130	Pass	
Toluene	%	109			70-130	Pass	
Ethylbenzene	%	116			70-130	Pass	
m&p-Xylenes	%	119			70-130	Pass	
o-Xylene	%	122			70-130	Pass	
Xylenes - Total*	%	120			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	118			70-130	Pass	
TRH C6-C10	%	101			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	117			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	114			70-130	Pass	
Toluene	%	109			70-130	Pass	
Ethylbenzene	%	110			70-130	Pass	
m&p-Xylenes	%	107			70-130	Pass	
o-Xylene	%	109			70-130	Pass	
Xylenes - Total*	%	108			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	75			70-130	Pass	
TRH C6-C10	%	115			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	94			70-130	Pass	
Acenaphthylene	%	82			70-130	Pass	
Anthracene	%	100			70-130	Pass	
Benz(a)anthracene	%	80			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benzo(a)pyrene	%	88			70-130	Pass	
Benzo(b&j)fluoranthene	%	91			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Benzo(k)fluoranthene	%	97			70-130	Pass	
Chrysene	%	90			70-130	Pass	
Dibenz(a.h)anthracene	%	104			70-130	Pass	
Fluoranthene	%	85			70-130	Pass	
Fluorene	%	88			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	115			70-130	Pass	
Naphthalene	%	89			70-130	Pass	
Phenanthrene	%	90			70-130	Pass	
Pyrene	%	84			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	96			70-130	Pass	
Acenaphthylene	%	76			70-130	Pass	
Anthracene	%	101			70-130	Pass	
Benz(a)anthracene	%	76			70-130	Pass	
Benzo(a)pyrene	%	83			70-130	Pass	
Benzo(b&j)fluoranthene	%	87			70-130	Pass	
Benzo(g.h.i)perylene	%	86			70-130	Pass	
Benzo(k)fluoranthene	%	97			70-130	Pass	
Chrysene	%	85			70-130	Pass	
Dibenz(a.h)anthracene	%	111			70-130	Pass	
Fluoranthene	%	92			70-130	Pass	
Fluorene	%	100			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	86			70-130	Pass	
Naphthalene	%	87			70-130	Pass	
Phenanthrene	%	80			70-130	Pass	
Pyrene	%	91			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	106			80-120	Pass	
Cadmium	%	108			80-120	Pass	
Chromium	%	110			80-120	Pass	
Copper	%	110			80-120	Pass	
Lead	%	105			80-120	Pass	
Mercury	%	105			80-120	Pass	
Nickel	%	111			80-120	Pass	
Zinc	%	111			80-120	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	101			80-120	Pass	
Cadmium	%	106			80-120	Pass	
Chromium	%	115			80-120	Pass	
Copper	%	115			80-120	Pass	
Lead	%	108			80-120	Pass	
Mercury	%	107			80-120	Pass	
Nickel	%	114			80-120	Pass	
Zinc	%	114			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	85			70-130	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
BTEX							
Benzene	%	105			70-130	Pass	
Toluene	%	92			70-130	Pass	
Ethylbenzene	%	102			70-130	Pass	
m&p-Xylenes	%	95			70-130	Pass	
o-Xylene	%	105			70-130	Pass	
Xylenes - Total*	%	98			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	103			70-130	Pass	
TRH C6-C10	%	85			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	78			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	104			70-130	Pass	
Toluene	%	88			70-130	Pass	
Ethylbenzene	%	100			70-130	Pass	
m&p-Xylenes	%	91			70-130	Pass	
o-Xylene	%	102			70-130	Pass	
Xylenes - Total*	%	95			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	96			70-130	Pass	
TRH C6-C10	%	77			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	98			80-120	Pass	
Cadmium	%	94			80-120	Pass	
Chromium	%	106			80-120	Pass	
Copper	%	110			80-120	Pass	
Lead	%	105			80-120	Pass	
Mercury	%	103			80-120	Pass	
Nickel	%	107			80-120	Pass	
Zinc	%	107			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	106			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	106			70-130	Pass	
Toluene	%	113			70-130	Pass	
Ethylbenzene	%	120			70-130	Pass	
m&p-Xylenes	%	120			70-130	Pass	
o-Xylene	%	126			70-130	Pass	
Xylenes - Total*	%	122			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	124			70-130	Pass	
TRH C6-C10	%	104			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	82			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
BTEX							
Benzene	%	99			70-130	Pass	
Toluene	%	95			70-130	Pass	
Ethylbenzene	%	90			70-130	Pass	
m&p-Xylenes	%	93			70-130	Pass	
o-Xylene	%	89			70-130	Pass	
Xylenes - Total*	%	92			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	95			70-130	Pass	
TRH C6-C10	%	79			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	99			80-120	Pass	
Cadmium	%	95			80-120	Pass	
Chromium	%	110			80-120	Pass	
Copper	%	114			80-120	Pass	
Lead	%	107			80-120	Pass	
Mercury	%	105			80-120	Pass	
Nickel	%	110			80-120	Pass	
Zinc	%	111			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	103			70-130	Pass	
TRH C10-C14	%	101			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	108			70-130	Pass	
Toluene	%	92			70-130	Pass	
Ethylbenzene	%	108			70-130	Pass	
m&p-Xylenes	%	99			70-130	Pass	
o-Xylene	%	109			70-130	Pass	
Xylenes - Total*	%	102			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	102			70-130	Pass	
TRH C6-C10	%	101			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	%	98			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C10-C14	%	87			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	%	86			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C10-C14	S25-Se0077372	NCP	%	86			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S25-Se0085205	NCP	%	87			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	N25-Se0078395	CP	%	127			70-130	Pass	
Acenaphthylene	N25-Se0078395	CP	%	101			70-130	Pass	
Anthracene	N25-Se0078395	CP	%	114			70-130	Pass	
Benz(a)anthracene	N25-Se0078395	CP	%	88			70-130	Pass	
Benzo(a)pyrene	N25-Se0078395	CP	%	92			70-130	Pass	
Benzo(b&j)fluoranthene	N25-Se0078395	CP	%	110			70-130	Pass	
Benzo(g.h.i)perylene	N25-Se0078395	CP	%	100			70-130	Pass	
Benzo(k)fluoranthene	N25-Se0078395	CP	%	105			70-130	Pass	
Chrysene	S25-Se0089642	NCP	%	96			70-130	Pass	
Dibenz(a.h)anthracene	N25-Se0078395	CP	%	103			70-130	Pass	
Fluoranthene	S25-Se0089642	NCP	%	89			70-130	Pass	
Fluorene	S25-Se0089642	NCP	%	88			70-130	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078395	CP	%	98			70-130	Pass	
Naphthalene	N25-Se0078395	CP	%	118			70-130	Pass	
Phenanthrene	N25-Se0078395	CP	%	128			70-130	Pass	
Pyrene	S25-Se0089642	NCP	%	91			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	N25-Se0078395	CP	%	102			70-130	Pass	
4.4'-DDE	N25-Se0078395	CP	%	95			70-130	Pass	
a-HCH	N25-Se0078395	CP	%	104			70-130	Pass	
Aldrin	N25-Se0078395	CP	%	100			70-130	Pass	
b-HCH	N25-Se0078395	CP	%	100			70-130	Pass	
d-HCH	N25-Se0078395	CP	%	98			70-130	Pass	
Dieldrin	N25-Se0078395	CP	%	98			70-130	Pass	
Endosulfan I	N25-Se0078395	CP	%	100			70-130	Pass	
Endrin	N25-Se0078395	CP	%	78			70-130	Pass	
Endrin aldehyde	N25-Se0078395	CP	%	96			70-130	Pass	
Endrin ketone	N25-Se0078395	CP	%	99			70-130	Pass	
g-HCH (Lindane)	N25-Se0078395	CP	%	104			70-130	Pass	
Heptachlor	N25-Se0078395	CP	%	99			70-130	Pass	
Heptachlor epoxide	N25-Se0078395	CP	%	103			70-130	Pass	
Hexachlorobenzene	N25-Se0078395	CP	%	104			70-130	Pass	
Methoxychlor	N25-Se0078395	CP	%	80			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	N25-Se0078395	CP	%	115			70-130	Pass	
Dimethoate	N25-Se0078395	CP	%	106			70-130	Pass	
Ethion	N25-Se0078395	CP	%	90			70-130	Pass	
Fenitrothion	N25-Se0078395	CP	%	96			70-130	Pass	
Methyl parathion	N25-Se0078395	CP	%	91			70-130	Pass	
Mevinphos	N25-Se0078395	CP	%	101			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	S25-Se0077372	NCP	%	84			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Se0082325	NCP	%	101			75-125	Pass	
Cadmium	S25-Se0082325	NCP	%	93			75-125	Pass	
Chromium	S25-Se0082325	NCP	%	110			75-125	Pass	
Copper	S25-Se0082325	NCP	%	110			75-125	Pass	
Lead	S25-Se0082325	NCP	%	4800			75-125	Fail	Q05

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mercury	S25-Se0082325	NCP	%	98			75-125	Pass	
Nickel	S25-Se0082325	NCP	%	104			75-125	Pass	
Zinc	S25-Se0082325	NCP	%	273			75-125	Fail	Q08
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C10-C14	S25-Se0072710	NCP	%	102			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	N25-Se0078405	CP	%	81			70-130	Pass	
Acenaphthylene	N25-Se0078405	CP	%	78			70-130	Pass	
Anthracene	N25-Se0078405	CP	%	92			70-130	Pass	
Benz(a)anthracene	N25-Se0078405	CP	%	72			70-130	Pass	
Benzo(a)pyrene	N25-Se0078405	CP	%	81			70-130	Pass	
Benzo(b&j)fluoranthene	N25-Se0080123	NCP	%	85			70-130	Pass	
Benzo(g.h.i)perylene	N25-Se0078405	CP	%	75			70-130	Pass	
Benzo(k)fluoranthene	N25-Se0078405	CP	%	98			70-130	Pass	
Chrysene	N25-Se0078405	CP	%	90			70-130	Pass	
Dibenz(a.h)anthracene	N25-Se0080123	NCP	%	83			70-130	Pass	
Fluoranthene	N25-Se0078405	CP	%	82			70-130	Pass	
Fluorene	N25-Se0078405	CP	%	84			70-130	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078405	CP	%	70			70-130	Pass	
Naphthalene	N25-Se0078405	CP	%	78			70-130	Pass	
Phenanthrene	N25-Se0078405	CP	%	76			70-130	Pass	
Pyrene	N25-Se0078405	CP	%	81			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	N25-Se0078405	CP	%	85			70-130	Pass	
4.4'-DDD	N25-Se0078405	CP	%	72			70-130	Pass	
4.4'-DDE	N25-Se0078405	CP	%	83			70-130	Pass	
a-HCH	N25-Se0078405	CP	%	73			70-130	Pass	
Aldrin	N25-Se0078405	CP	%	79			70-130	Pass	
b-HCH	N25-Se0078405	CP	%	72			70-130	Pass	
d-HCH	N25-Se0078405	CP	%	78			70-130	Pass	
Dieldrin	N25-Se0078405	CP	%	77			70-130	Pass	
Endosulfan I	N25-Se0078405	CP	%	85			70-130	Pass	
Endrin	N25-Se0078405	CP	%	82			70-130	Pass	
Endrin ketone	N25-Se0078405	CP	%	73			70-130	Pass	
g-HCH (Lindane)	N25-Se0078405	CP	%	87			70-130	Pass	
Heptachlor	N25-Se0078405	CP	%	75			70-130	Pass	
Heptachlor epoxide	N25-Se0078405	CP	%	77			70-130	Pass	
Hexachlorobenzene	N25-Se0078405	CP	%	83			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	N25-Se0078405	CP	%	120			70-130	Pass	
Dimethoate	N25-Se0078405	CP	%	80			70-130	Pass	
Fenitrothion	N25-Se0078405	CP	%	113			70-130	Pass	
Mevinphos	N25-Se0078405	CP	%	88			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	S25-Se0072710	NCP	%	102			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Se0088854	NCP	%	102			75-125	Pass	
Cadmium	S25-Se0088854	NCP	%	99			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chromium	S25-Se0088854	NCP	%	105			75-125	Pass	
Copper	S25-Se0088854	NCP	%	104			75-125	Pass	
Lead	S25-Se0088854	NCP	%	102			75-125	Pass	
Mercury	S25-Se0088854	NCP	%	101			75-125	Pass	
Nickel	S25-Se0088854	NCP	%	103			75-125	Pass	
Zinc	S25-Se0088854	NCP	%	105			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	N25-Se0078414	CP	%	122			70-130	Pass	
Acenaphthylene	N25-Se0078414	CP	%	95			70-130	Pass	
Anthracene	N25-Se0078414	CP	%	113			70-130	Pass	
Benz(a)anthracene	N25-Se0078414	CP	%	125			70-130	Pass	
Benzo(a)pyrene	N25-Se0078414	CP	%	122			70-130	Pass	
Benzo(k)fluoranthene	N25-Se0078414	CP	%	122			70-130	Pass	
Dibenz(a.h)anthracene	N25-Se0078414	CP	%	123			70-130	Pass	
Fluoranthene	N25-Se0078414	CP	%	109			70-130	Pass	
Fluorene	N25-Se0078414	CP	%	112			70-130	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078414	CP	%	123			70-130	Pass	
Naphthalene	N25-Se0078414	CP	%	114			70-130	Pass	
Phenanthrene	N25-Se0078414	CP	%	112			70-130	Pass	
Pyrene	N25-Se0078414	CP	%	110			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	N25-Se0078414	CP	%	105			70-130	Pass	
4.4'-DDD	N25-Se0078414	CP	%	91			70-130	Pass	
4.4'-DDE	N25-Se0078414	CP	%	100			70-130	Pass	
4.4'-DDT	N25-Se0078414	CP	%	98			70-130	Pass	
a-HCH	N25-Se0078414	CP	%	88			70-130	Pass	
Aldrin	N25-Se0078414	CP	%	86			70-130	Pass	
b-HCH	N25-Se0078414	CP	%	87			70-130	Pass	
d-HCH	N25-Se0078414	CP	%	86			70-130	Pass	
Dieldrin	N25-Se0078414	CP	%	98			70-130	Pass	
Endosulfan I	N25-Se0078414	CP	%	98			70-130	Pass	
Endosulfan II	N25-Se0078414	CP	%	94			70-130	Pass	
Endosulfan sulphate	N25-Se0078414	CP	%	101			70-130	Pass	
Endrin	N25-Se0078414	CP	%	117			70-130	Pass	
Endrin ketone	N25-Se0078414	CP	%	110			70-130	Pass	
g-HCH (Lindane)	N25-Se0078414	CP	%	95			70-130	Pass	
Heptachlor	N25-Se0078414	CP	%	87			70-130	Pass	
Heptachlor epoxide	N25-Se0078414	CP	%	103			70-130	Pass	
Hexachlorobenzene	N25-Se0078414	CP	%	97			70-130	Pass	
Methoxychlor	N25-Se0078414	CP	%	107			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Dimethoate	N25-Se0078414	CP	%	99			70-130	Pass	
Fenitrothion	N25-Se0078414	CP	%	109			70-130	Pass	
Methyl parathion	N25-Se0078414	CP	%	116			70-130	Pass	
Mevinphos	N25-Se0078414	CP	%	110			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	N25-Se0078415	CP	%	76			70-130	Pass	
TRH C10-C14	N25-Se0078415	CP	%	94			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benzene	N25-Se0078415	CP	%	79			70-130	Pass	
Toluene	N25-Se0078415	CP	%	76			70-130	Pass	
Ethylbenzene	N25-Se0078415	CP	%	77			70-130	Pass	
m&p-Xylenes	N25-Se0078415	CP	%	75			70-130	Pass	
o-Xylene	N25-Se0078415	CP	%	75			70-130	Pass	
Xylenes - Total*	N25-Se0078415	CP	%	75			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH C6-C10	N25-Se0078415	CP	%	75			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	W25-Se0075477	NCP	%	79			70-130	Pass	
Acenaphthylene	S25-Se0081182	NCP	%	96			70-130	Pass	
Anthracene	W25-Se0075477	NCP	%	88			70-130	Pass	
Benz(a)anthracene	W25-Se0075477	NCP	%	74			70-130	Pass	
Benzo(a)pyrene	W25-Se0075477	NCP	%	84			70-130	Pass	
Benzo(b&j)fluoranthene	W25-Se0075477	NCP	%	79			70-130	Pass	
Benzo(g.h.i)perylene	S25-Se0081182	NCP	%	74			70-130	Pass	
Benzo(k)fluoranthene	W25-Se0075477	NCP	%	94			70-130	Pass	
Chrysene	W25-Se0075477	NCP	%	86			70-130	Pass	
Dibenz(a.h)anthracene	W25-Se0075477	NCP	%	78			70-130	Pass	
Fluoranthene	W25-Se0075477	NCP	%	80			70-130	Pass	
Fluorene	W25-Se0075477	NCP	%	82			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S25-Se0081182	NCP	%	69			70-130	Fail	Q08
Naphthalene	W25-Se0075477	NCP	%	83			70-130	Pass	
Phenanthrene	W25-Se0075477	NCP	%	85			70-130	Pass	
Pyrene	W25-Se0075477	NCP	%	76			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	N25-Se0078415	CP	%	86			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C10-C14	N25-Se0078425	CP	%	99			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Benzo(b&j)fluoranthene	S25-Se0085602	NCP	%	77			70-130	Pass	
Benzo(g.h.i)perylene	S25-Se0085602	NCP	%	117			70-130	Pass	
Chrysene	S25-Se0085602	NCP	%	80			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	N25-Se0078425	CP	%	96			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	N25-Se0078425	CP	%	103			75-125	Pass	
Cadmium	N25-Se0078425	CP	%	105			75-125	Pass	
Chromium	N25-Se0078425	CP	%	107			75-125	Pass	
Copper	N25-Se0078425	CP	%	100			75-125	Pass	
Lead	N25-Se0078425	CP	%	82			75-125	Pass	
Mercury	N25-Se0078425	CP	%	102			75-125	Pass	
Nickel	N25-Se0078425	CP	%	107			75-125	Pass	
Zinc	N25-Se0078425	CP	%	78			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	N25-Se0078445	CP	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
BTEX				Result 1					
Benzene	N25-Se0078445	CP	%	87			70-130	Pass	
Toluene	N25-Se0078445	CP	%	97			70-130	Pass	
Ethylbenzene	N25-Se0078445	CP	%	105			70-130	Pass	
m&p-Xylenes	N25-Se0078445	CP	%	103			70-130	Pass	
o-Xylene	N25-Se0078445	CP	%	106			70-130	Pass	
Xylenes - Total*	N25-Se0078445	CP	%	104			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	N25-Se0078445	CP	%	96			70-130	Pass	
TRH C6-C10	N25-Se0078445	CP	%	88			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	N25-Se0078455	CP	%	76			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	N25-Se0078455	CP	%	91			70-130	Pass	
Toluene	N25-Se0078455	CP	%	91			70-130	Pass	
Ethylbenzene	N25-Se0078455	CP	%	82			70-130	Pass	
m&p-Xylenes	N25-Se0078455	CP	%	77			70-130	Pass	
o-Xylene	N25-Se0078455	CP	%	76			70-130	Pass	
Xylenes - Total*	N25-Se0078455	CP	%	77			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	N25-Se0078455	CP	%	106			70-130	Pass	
TRH C6-C10	N25-Se0078455	CP	%	72			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	N25-Se0078468	CP	%	109			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	N25-Se0078468	CP	%	93			70-130	Pass	
Toluene	N25-Se0078468	CP	%	104			70-130	Pass	
Ethylbenzene	N25-Se0078468	CP	%	109			70-130	Pass	
m&p-Xylenes	N25-Se0078468	CP	%	111			70-130	Pass	
o-Xylene	N25-Se0078468	CP	%	116			70-130	Pass	
Xylenes - Total*	N25-Se0078468	CP	%	112			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	N25-Se0078468	CP	%	108			70-130	Pass	
TRH C6-C10	N25-Se0078468	CP	%	107			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	N25-Se0078468	CP	%	105			75-125	Pass	
Cadmium	N25-Se0078468	CP	%	99			75-125	Pass	
Chromium	N25-Se0078468	CP	%	112			75-125	Pass	
Copper	N25-Se0078468	CP	%	114			75-125	Pass	
Lead	N25-Se0078468	CP	%	109			75-125	Pass	
Mercury	N25-Se0078468	CP	%	108			75-125	Pass	
Nickel	N25-Se0078468	CP	%	113			75-125	Pass	
Zinc	N25-Se0078468	CP	%	110			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	N25-Se0078395	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S25-Se0077371	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Se0077371	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S25-Se0077371	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N25-Se0078395	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	N25-Se0078395	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	N25-Se0078395	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	N25-Se0078395	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	N25-Se0078395	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	N25-Se0078395	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	N25-Se0078395	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	N25-Se0078395	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	S25-Se0077371	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S25-Se0077371	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S25-Se0077371	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078152	NCP	%	9.5	11	10	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C10-C14	N25-Se0078399	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	N25-Se0078399	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	N25-Se0078399	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	N25-Se0078399	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	N25-Se0078399	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	N25-Se0078399	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	N25-Se0078399	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	N25-Se0078399	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	N25-Se0078399	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	N25-Se0078399	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	N25-Se0078399	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	N25-Se0078399	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	N25-Se0078399	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078402	CP	%	7.6	8.2	8.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078403	CP	mg/kg	4.2	6.4	41	30%	Fail	Q15
Cadmium	N25-Se0078403	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078403	CP	mg/kg	< 5	5.5	10	30%	Pass	
Copper	N25-Se0078403	CP	mg/kg	6.3	6.5	3.0	30%	Pass	
Lead	N25-Se0078403	CP	mg/kg	9.9	11	10	30%	Pass	
Mercury	N25-Se0078403	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078403	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078403	CP	mg/kg	38	36	5.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S25-Se0087353	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S25-Se0071634	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Se0071634	NCP	mg/kg	270	120	74	30%	Fail	Q02
TRH C29-C36	S25-Se0071634	NCP	mg/kg	180	160	14	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Se0087353	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Se0087353	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Se0087353	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Se0087353	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Se0087353	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Se0087353	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S25-Se0087353	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S25-Se0087353	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	S25-Se0071634	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S25-Se0071634	NCP	mg/kg	400	240	51	30%	Fail	Q15
TRH >C34-C40	S25-Se0071634	NCP	mg/kg	290	340	14	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078413	CP	%	13	11	15	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078414	CP	mg/kg	9.5	4.1	79	30%	Fail	Q15
Cadmium	N25-Se0078414	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078414	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Copper	N25-Se0078414	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	N25-Se0078414	CP	mg/kg	24	18	28	30%	Pass	
Mercury	N25-Se0078414	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078414	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078414	CP	mg/kg	29	28	5.0	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078415	CP	mg/kg	4.5	4.6	2.0	30%	Pass	
Cadmium	N25-Se0078415	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078415	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Copper	N25-Se0078415	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	N25-Se0078415	CP	mg/kg	17	15	14	30%	Pass	
Mercury	N25-Se0078415	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078415	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078415	CP	mg/kg	29	30	5.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C10-C14	N25-Se0078421	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	N25-Se0078421	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	N25-Se0078421	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	N25-Se0078421	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	N25-Se0078421	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	N25-Se0078421	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	N25-Se0078421	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	N25-Se0078421	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	N25-Se0078421	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	N25-Se0078421	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	N25-Se0078421	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	N25-Se0078421	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	N25-Se0078421	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078423	CP	%	14	13	9.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	N25-Se0078424	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	N25-Se0078424	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	N25-Se0078424	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	N25-Se0078424	CP	mg/kg	< 50	55	54	30%	Fail	Q15
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N25-Se0078424	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	N25-Se0078424	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	N25-Se0078424	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	N25-Se0078424	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
o-Xylene	N25-Se0078424	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	N25-Se0078424	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	N25-Se0078424	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078424	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	N25-Se0078424	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	N25-Se0078424	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	N25-Se0078424	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078424	CP	mg/kg	2.9	3.4	16	30%	Pass	
Cadmium	N25-Se0078424	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078424	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Copper	N25-Se0078424	CP	mg/kg	6.7	8.4	22	30%	Pass	
Lead	N25-Se0078424	CP	mg/kg	21	24	16	30%	Pass	
Mercury	N25-Se0078424	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078424	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078424	CP	mg/kg	38	44	16	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078433	CP	%	12	12	3.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	N25-Se0078434	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	N25-Se0078434	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	N25-Se0078434	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	N25-Se0078434	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N25-Se0078434	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	N25-Se0078434	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	N25-Se0078434	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	N25-Se0078434	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
o-Xylene	N25-Se0078434	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	N25-Se0078434	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	N25-Se0078434	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078434	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	N25-Se0078434	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	N25-Se0078434	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	N25-Se0078434	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078434	CP	mg/kg	3.8	4.7	21	30%	Pass	
Cadmium	N25-Se0078434	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078434	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Copper	N25-Se0078434	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	N25-Se0078434	CP	mg/kg	8.0	10	25	30%	Pass	
Mercury	N25-Se0078434	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078434	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078434	CP	mg/kg	24	30	23	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C10-C14	N25-Se0078435	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	N25-Se0078435	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	N25-Se0078435	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Chrysene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078435	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	N25-Se0078435	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	N25-Se0078435	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	N25-Se0078435	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078435	CP	mg/kg	7.5	8.3	10	30%	Pass	
Cadmium	N25-Se0078435	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078435	CP	mg/kg	5.8	5.8	1.0	30%	Pass	
Copper	N25-Se0078435	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	N25-Se0078435	CP	mg/kg	15	15	3.0	30%	Pass	
Mercury	N25-Se0078435	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078435	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078435	CP	mg/kg	41	39	3.0	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078443	CP	%	6.2	6.4	3.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	N25-Se0078444	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N25-Se0078444	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	N25-Se0078444	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	N25-Se0078444	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	N25-Se0078444	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	N25-Se0078444	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	N25-Se0078444	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Fluorene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	N25-Se0078444	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	N25-Se0078444	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	N25-Se0078444	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	N25-Se0078444	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	N25-Se0078444	CP	mg/kg	< 2	< 2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Naled	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	N25-Se0078444	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	N25-Se0078444	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078444	CP	mg/kg	3.5	2.4	39	30%	Fail	Q15
Cadmium	N25-Se0078444	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078444	CP	mg/kg	12	8.1	42	30%	Fail	Q15
Copper	N25-Se0078444	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	N25-Se0078444	CP	mg/kg	17	12	31	30%	Fail	Q15
Mercury	N25-Se0078444	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078444	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078444	CP	mg/kg	23	18	26	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	N25-Se0078448	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endrin ketone	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	N25-Se0078448	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	N25-Se0078448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	N25-Se0078448	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	N25-Se0078448	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	N25-Se0078448	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	N25-Se0078448	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078453	CP	%	11	13	18	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	N25-Se0078454	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N25-Se0078454	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	N25-Se0078454	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	N25-Se0078454	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	N25-Se0078454	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	N25-Se0078454	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	N25-Se0078454	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078454	CP	mg/kg	< 0.5	0.7	33	30%	Fail	Q15
Fluorene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078454	CP	mg/kg	0.6	0.7	23	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	N25-Se0078454	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	N25-Se0078454	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	N25-Se0078454	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	N25-Se0078454	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	N25-Se0078454	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	N25-Se0078454	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	N25-Se0078454	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078454	CP	mg/kg	12	7.5	48	30%	Fail	Q15
Cadmium	N25-Se0078454	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078454	CP	mg/kg	5.7	6.2	9.0	30%	Pass	
Copper	N25-Se0078454	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	N25-Se0078454	CP	mg/kg	6.8	7.8	14	30%	Pass	
Mercury	N25-Se0078454	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078454	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078454	CP	mg/kg	33	38	14	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078455	CP	mg/kg	34	27	23	30%	Pass	
Cadmium	N25-Se0078455	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078455	CP	mg/kg	9.2	6.5	34	30%	Fail	Q15
Copper	N25-Se0078455	CP	mg/kg	12	8.4	38	30%	Fail	Q15
Lead	N25-Se0078455	CP	mg/kg	10	7.9	26	30%	Pass	
Mercury	N25-Se0078455	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078455	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078455	CP	mg/kg	53	52	1.0	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C10-C14	N25-Se0078462	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	N25-Se0078462	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	N25-Se0078462	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	N25-Se0078462	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	N25-Se0078462	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	N25-Se0078462	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	N25-Se0078462	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Dimethoate	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	N25-Se0078462	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	N25-Se0078462	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	N25-Se0078462	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	N25-Se0078462	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	N25-Se0078462	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	N25-Se0078462	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Se0078463	CP	%	10	11	14	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	N25-Se0078467	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N25-Se0078467	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	N25-Se0078467	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	N25-Se0078467	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	N25-Se0078467	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	N25-Se0078467	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	N25-Se0078467	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	N25-Se0078467	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Benzo(b&j)fluoranthene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078467	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N25-Se0078467	CP	mg/kg	< 2	2.1	19	30%	Pass	
Cadmium	N25-Se0078467	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N25-Se0078467	CP	mg/kg	< 5	6.0	47	30%	Fail	Q15
Copper	N25-Se0078467	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	N25-Se0078467	CP	mg/kg	8.4	8.2	1.0	30%	Pass	
Mercury	N25-Se0078467	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N25-Se0078467	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	N25-Se0078467	CP	mg/kg	29	32	11	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	N25-Se0078471	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N25-Se0078471	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	N25-Se0078471	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	N25-Se0078471	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	N25-Se0078471	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	N25-Se0078471	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	N25-Se0078471	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	N25-Se0078471	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	N25-Se0078471	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	N25-Se0078472	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	N25-Se0078472	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	N25-Se0078472	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	N25-Se0078472	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	N25-Se0078472	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	N25-Se0078472	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Tokuthion	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	N25-Se0078472	CP	mg/kg	< 0.2	< 0.2	<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
G01	The LORs have been raised due to matrix interference
G07	Analysis indeterminable due to matrix interference
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q02	The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause
Q05	The matrix spike concentration is less than five times the background concentration in the sample - therefore the spike recovery cannot be determined
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.
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:

Andrew Black	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Sample Properties
Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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Outlook

3 DAY TAT ADDITIONAL ANALYSIS: FW: Eurofins Test Results, Invoice - Report 1272591 : Site 4 FLEET STREET (254833)

From Andrew Black <Andrew.Black@eurofinsanz.com>
Date Tue 07/10/2025 11:40 AM
To SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>

1 attachment (70 KB)
RE: Eurofins Test Results, Invoice - Report 1272591 : Site 4 FLEET STREET (254833);

Verified Sender: This email is from an internal and/or verified domain which passed security verifications. Remember to still be cautious with personal data and follow company policies.

Andrew Black
Analytical Services Manager

Eurofins | Environment Testing Australia Pty Ltd
1 / 2 Frost Drive
Mayfield West, NSW, 2304
Phone: +61 2 9900 8490
Mobile: +61 410 220 750
Email: Andrew.Black@eurofinsanz.com
Website: eurofins.com.au/environmental-testing
https://www.eurofins-estore.com.au/

Please note my work hours are 8:30am-5:30pm, anything outside of that I will get to the next day. Contact evening shift ASM for anything urgent.

This e-mail including its attachments may contain confidential and proprietary information. Any unauthorized disclosure or use of this e-mail including its attachments is prohibited and may be prosecuted. If you are not the intended recipient, please inform the sender by an e-mail reply and delete the message.
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Eurofins companies are independent legal entities that are bound only by members of their management bodies. No other persons have representation power unless specifically authorised by proxy or other legal means.

From: Paul Wright <Paul@DRBEngineering.com.au>
Sent: Tuesday, 7 October 2025 11:38 AM
To: Andrew Black <Andrew.Black@eurofinsanz.com>
Cc: Irem Haskara <Irem.Haskara@eurofinsanz.com>
Subject: RE: Eurofins Test Results, Invoice - Report 1272591 : Site 4 FLEET STREET (254833)

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hope you folks had a great weekend off.

Could I please request the following:

R21 Suite – HA03, SP04-02 (critical values are the soil pH and CEC)
TCLP PAH – BH17-0.1, BH06-0.6

Three-day TAT please

Cheers

Paul Wright PhD, CEnvP-SC
DRB Consulting Engineers
Principal Environmental Scientist, Contaminated Land Management Lead
P 02 4040 0580
M 0439 837 115

From: Andrew Black <EET-ELVIS@eurofinsanz.com>
Sent: Wednesday, 1 October 2025 10:37 PM
To: Paul Wright <Paul@DRBEngineering.com.au>
Subject: Eurofins Test Results, Invoice - Report 1272591 : Site 4 FLEET STREET (254833)

Kindest Regards,

Andrew Black
Analytical Services Manager

Eurofins | Environment Testing
Unit 1
2 Frost Drive
MAYFIELD WEST NSW 2304
AUSTRALIA
Phone: +61 299 008 490
Mobile: +61 410 220 750
Email: Andrew.Black@eurofinsanz.com
Website:[http://]environment.eurofins.com.au
View our latest EnviroNotes

Outlook

Re: Eurofins Sample Receipt Advice - Report 1276548 : Site Additional: 4 FLEET STREET (254833)

From Paul Wright <Paul@DRBEngineering.com.au>
Date Tue 07/10/2025 5:22 PM
To SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>
Cc Andrew Black <Andrew.Black@eurofinsanz.com>; Irem Haskara <Irem.Haskara@eurofinsanz.com>

1 attachment (26 KB)
Outlook-r2xwqbqn;

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Yes please

Get Outlook for iOS

From: SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>
Sent: Tuesday, October 7, 2025 5:21:21 PM
To: Paul Wright <Paul@DRBEngineering.com.au>
Cc: Andrew Black <Andrew.Black@eurofinsanz.com>; Irem Haskara <Irem.Haskara@eurofinsanz.com>
Subject: Re: Eurofins Sample Receipt Advice - Report 1276548 : Site Additional: 4 FLEET STREET (254833)

Hi Paul,

Would you like these to be logged in the same report?

Kind Regards,

Cathy Ninh

Sydney Sample Receipt

Eurofins Environment Testing Australia Pty Ltd

179 Magowar Rd

Girraween, NSW 2145

E-mail: EnviroSampleNSW@eurofinsanz.com

Website: www.eurofins.com.au/environmental-testing

35 YEARS TESTING FOR LIFE

From: Paul Wright <Paul@DRBEngineering.com.au>
Sent: Tuesday, 7 October 2025 3:51 PM
To: SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>
Cc: Andrew Black <Andrew.Black@eurofinsanz.com>; Irem Haskara <Irem.Haskara@eurofinsanz.com>
Subject: RE: Eurofins Sample Receipt Advice - Report 1276548 : Site Additional: 4 FLEET STREET (254833)

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Late addition to this list of additional samples. Could I please have the following samples analysed for conductivity:

- BH02-0.1
- BH02-0.5
- BH14-0.1
- BH14-0.5

Cheers

Paul Wright PhD, CEnvP-SC
DRB Consulting Engineers
Principal Environmental Scientist, Contaminated Land Management Lead
P 02 4040 0580
M 0439 837 115

From: Kayla Mohammed <EET-ELVIS@eurofinsanz.com>
Sent: Tuesday, 7 October 2025 11:57 AM
To: Paul Wright <Paul@DRBEngineering.com.au>
Subject: Eurofins Sample Receipt Advice - Report 1276548 : Site Additional: 4 FLEET STREET (254833)

Dear Valued Client,

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

KAYLA TIA MOHAMMED
Sample Receipt

Eurofins | Environmental Testing
179 Magowar Road,
GIRRAWEEN, NSW 2145
AUSTRALIA
Phone: +61 02 9900 8421
Email: EnviroSampleNSW@eurofins.com
Website:http://environment.eurofins.com.au

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View our latest EnviroNotes

eurofins | Environment Testing

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

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

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Sample Receipt Advice

Company name:	DRB Consulting Engineers
Contact name:	Paul Wright
Project name:	Additional: 4 FLEET STREET
Project ID:	254833
Turnaround time:	3 Day
Date/Time received	Oct 7, 2025 11:38 AM
Eurofins reference	1276548

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:

Andrew Black on phone : (+61) 2 9900 8490 or by email: Andrew.Black@eurofinsanz.com

Results will be delivered electronically via email to Paul Wright - paul@drbengineering.com.au.

Note: A copy of these results will also be delivered to the general DRB Consulting Engineers email address.

Global Leader - Results you can trust

eurofins

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

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

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: Additional: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1276548
Phone: 0401 542 446
Fax:

Received: Oct 7, 2025 11:38 AM
Due: Oct 10, 2025
Priority: 3 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Conductivity (1:5 aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	USA Leaching Procedure	Moisture Set	NEPM Screen for Soil Classification
Melbourne Laboratory - NATA # 1261 Site # 1254										X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X
External Laboratory										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**					
1	HA03	Sep 24, 2025		Soil	S25-Oc0014897				X	X
2	SP04-02	Sep 24, 2025		Soil	S25-Oc0014898				X	X
3	BH17-0.1	Sep 24, 2025		US Leachate	S25-Oc0014899		X	X		
4	BH06-0.6	Sep 24, 2025		US Leachate	S25-Oc0014900		X	X		
5	BH02-0.1	Sep 24, 2025		Soil	S25-Oc0016426	X			X	
6	BH02-0.5	Sep 24, 2025		Soil	S25-Oc0016427	X			X	
7	BH14-0.1	Sep 24, 2025		Soil	S25-Oc0016428	X			X	
8	BH14-0.5	Sep 24, 2025		Soil	S25-Oc0016429	X			X	
Test Counts						4	2	2	6	2

eurofins | Environment Testing

Certificate of Analysis

DRB Consulting Engineers
21 Sturdee Street
New Lambton
NSW 2305

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Paul Wright**

Report **1276548-L**
Project name Additional: 4 FLEET STREET
Project ID 254833
Received Date Oct 07, 2025

Client Sample ID			**BH17-0.1**	**BH06-0.6**
Sample Matrix			**US Leachate**	**US Leachate**
Eurofins Sample No.			**S25-Oc0014899**	**S25-Oc0014900**
Date Sampled			**Sep 24, 2025**	**Sep 24, 2025**
Test/Reference	LOR	Unit		
Polycyclic Aromatic Hydrocarbons				
Acenaphthene	0.001	mg/L	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	0.001	< 0.001
Chrysene	0.001	mg/L	0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	0.001	< 0.001
Pyrene	0.001	mg/L	0.001	< 0.001
Total PAH*	0.001	mg/L	0.006	< 0.001
2-Fluorobiphenyl (surr.)	1	%	65	62
p-Terphenyl-d14 (surr.)	1	%	102	75
USA Leaching Procedure				
Leachate Fluid[C01]		comment	1.0	1.0
pH (initial)	0.1	pH Units	7.9	7.6
pH (off)	0.1	pH Units	5.1	5.2
pH (USA HCl addition)	0.1	pH Units	1.3	1.3

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
Polycyclic Aromatic Hydrocarbons	Sydney	Oct 07, 2025	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
USA Leaching Procedure	Sydney	Oct 07, 2025	14 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			

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6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: Additional: 4 FLEET STREET
Project ID: 254833

Order No.:
Report #: 1276548
Phone: 0401 542 446
Fax:

Received: Oct 7, 2025 11:38 AM
Due: Oct 10, 2025
Priority: 3 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Conductivity (1:5 aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	USA Leaching Procedure	Moisture Set	NEPM Screen for Soil Classification
Melbourne Laboratory - NATA # 1261 Site # 1254										X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X
External Laboratory										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**					
1	HA03	Sep 24, 2025		Soil	S25-Oc0014897				X	X
2	SP04-02	Sep 24, 2025		Soil	S25-Oc0014898				X	X
3	BH17-0.1	Sep 24, 2025		US Leachate	S25-Oc0014899		X	X		
4	BH06-0.6	Sep 24, 2025		US Leachate	S25-Oc0014900		X	X		
5	BH02-0.1	Sep 24, 2025		Soil	S25-Oc0016426	X			X	
6	BH02-0.5	Sep 24, 2025		Soil	S25-Oc0016427	X			X	
7	BH14-0.1	Sep 24, 2025		Soil	S25-Oc0016428	X			X	
8	BH14-0.5	Sep 24, 2025		Soil	S25-Oc0016429	X			X	
Test Counts						4	2	2	6	2

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
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For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

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

Terms

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

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
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	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	93			70-130	Pass	
Acenaphthylene	%	94			70-130	Pass	
Anthracene	%	100			70-130	Pass	
Benz(a)anthracene	%	91			70-130	Pass	
Benzo(a)pyrene	%	102			70-130	Pass	
Benzo(b&j)fluoranthene	%	84			70-130	Pass	
Benzo(g.h.i)perylene	%	86			70-130	Pass	
Benzo(k)fluoranthene	%	93			70-130	Pass	
Chrysene	%	118			70-130	Pass	
Fluoranthene	%	94			70-130	Pass	
Fluorene	%	87			70-130	Pass	
Naphthalene	%	72			70-130	Pass	
Phenanthrene	%	87			70-130	Pass	
Pyrene	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	N25-Oc0009603	NCP	mg/L	0.001	< 0.001	150	30%	Fail	Q15
Benzo(a)pyrene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	N25-Oc0009603	NCP	mg/L	0.001	< 0.001	180	30%	Fail	Q15
Dibenz(a.h)anthracene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	N25-Oc0009603	NCP	mg/L	0.001	< 0.001	190	30%	Fail	Q15
Fluorene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	N25-Oc0009603	NCP	mg/L	< 0.001	< 0.001	<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			
Phenanthrene	N25-Oc0009603	NCP	mg/L	0.001	< 0.001	190	30%	Fail	Q15
Pyrene	N25-Oc0009603	NCP	mg/L	0.001	< 0.001	190	30%	Fail	Q15

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
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Andrew Black	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Organic
Ryan Phillips	Senior Analyst-Sample Properties

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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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Certificate of Analysis

DRB Consulting Engineers
21 Sturdee Street
New Lambton
NSW 2305

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Paul Wright**

Report **1276548-S**
Project name Additional: 4 FLEET STREET
Project ID 254833
Received Date Oct 07, 2025

Client Sample ID			**HA03**	**SP04-02**	**BH02-0.1**	**BH02-0.5**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S25-Oc0014897**	**S25-Oc0014898**	**S25-Oc0016426**	**S25-Oc0016427**
Date Sampled			**Sep 24, 2025**	**Sep 24, 2025**	**Sep 24, 2025**	**Sep 24, 2025**
Test/Reference	LOR	Unit				
% Clay	2.5	%	5.0	< 2.5	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	< 10	45	< 10	44
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	5.6	7.9	-	-
Total Organic Carbon	0.1	%	< 0.1	< 0.1	-	-
Heavy Metals						
Iron	20	mg/kg	6000	11000	-	-
Heavy Metals						
Iron (%)	0.01	%	0.60	1.1	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	3.0	25	-	-
Sample Properties						
% Moisture	1	%	17	14	7.7	2.6

Client Sample ID			**BH14-0.1**	**BH14-0.5**
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S25-Oc0016428**	**S25-Oc0016429**
Date Sampled			**Sep 24, 2025**	**Sep 24, 2025**
Test/Reference	LOR	Unit		
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	13	21
Sample Properties				
% Moisture	1	%	4.3	9.0

Sample History

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Description	Testing Site	Extracted	Holding Time
NEPM Screen for Soil Classification			
% Clay	Brisbane	Oct 09, 2025	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Oct 07, 2025	7 Days
- Method: LTM-INO-4030 Conductivity			
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Sydney	Oct 07, 2025	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Sydney	Oct 08, 2025	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Heavy Metals	Sydney	Oct 07, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Cation Exchange Capacity	Melbourne	Oct 10, 2025	28 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
% Moisture	Sydney	Oct 07, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			

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Eurofins Environment Testing Australia Pty Ltd
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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X
External Laboratory										
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5	BH02-0.1	Sep 24, 2025		Soil	S25-Oc0016426	X			X	
6	BH02-0.5	Sep 24, 2025		Soil	S25-Oc0016427	X			X	
7	BH14-0.1	Sep 24, 2025		Soil	S25-Oc0016428	X			X	
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Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Conductivity (1:5 aqueous extract at 25 °C as rec.)			uS/cm	< 10			10	Pass	
Total Organic Carbon			%	< 0.1			0.1	Pass	
Method Blank									
Heavy Metals									
Iron			mg/kg	< 20			20	Pass	
Method Blank									
Heavy Metals									
Iron (%)			%	< 0.01			0.01	Pass	
LCS - % Recovery									
Conductivity (1:5 aqueous extract at 25 °C as rec.)			%	98			70-130	Pass	
Total Organic Carbon			%	98			70-130	Pass	
LCS - % Recovery									
Heavy Metals									
Iron			%	108			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Iron	S25-Oc0015529	NCP	%	124			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
				Result 1	Result 2	RPD			
% Clay	L25-Oc0013484	NCP	%	< 2.5	< 2.5	<1	30%	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S25-Oc0007341	NCP	uS/cm	450	470	3.0	30%	Pass	
Total Organic Carbon	S25-Oc0014897	CP	%	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Iron	N25-Oc0009449	NCP	mg/kg	14000	20000	37	30%	Fail	Q02
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Oc0012764	NCP	%	2.8	2.6	6.0	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
Q02	The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause

Authorised by:

Andrew Black	Analytical Services Manager
Dilani Samarakoon	Senior Analyst-Inorganic
Emily Rosenberg	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-Inorganic
Mickael Ros	Senior Analyst-Metal
Ryan Phillips	Senior Analyst-Inorganic
Ryan Phillips	Senior Analyst-Sample Properties

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Consigning Office: DRB Consulting Engineers

Report Results to: Paul Wright — Mobile: 0439 837 115 — Email: paul@drbengineering.com.au

Invoices to: — Phone: — Email:

Project No: 254833 — Task No:

Project Name: 4 Fleet Street — Laboratory:

Sampler's Name: Paul Wright — Project Manager: Paul Wright

Quote number (if different to current quoted prices):

Special Instructions:

Analysis Request Section

Lab Batch Ref	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	PAH	Phenol											NOTES
	DL-NORTH-01	15/10/2025		SOIL	J	3Day STD	X												3-Day TAT.
	DL-NORTH-02	15/10/2025		SOIL	J	" STD	X												
	DL-EAST-01	15/10/2025		SOIL	J	" STD	X												
	DL-EAST-02	15/10/2025		SOIL	J	" STD	X												
	DL-SOUTH-01	15/10/2025		SOIL	J	" STD	X												
	DL-SOUTH-02	15/10/2025		SOIL	J	" STD	X												
	DL-WEST-01	15/10/2025		SOIL	J	" STD	X												
	DL-WEST-02	15/10/2025		SOIL	J	" STD	X												
	QC-DL-NORTH-01	15/10/2025		SOIL	J	" STD	X												
	DL-SOUTH-03	15/10/25		SOIL	J	" STD	X												
	BLACK ROCK	15/10/25		ROCK	J	" STD	X												
	ASPHALTIC	15/10/25		Pavement	J	" STD	X	X											

Due 24-06-25

RELINQUISHED BY

Name: PAUL WRIGHT — Date: 15/10/2025
Company: DRB Consulting Engineers — Time: 12:50PM

Name: NICOLE SMITH — Date: 15/10/25
Company: — Time: 1250PM

Name: — Date: →
Company: — Time:

Name: — Date:
Company: — Time: 19.9°C

Sample Receipt Advice: (Lab Use Only)

All Samples Recieved in Good Condition ☐
All Documentation is in Proper Order ☐
Samples Received Properly Chilled ☐
Lab. Ref/Batch No. 1279966

***Container Type & Preservation Codes:** **P** - Plastic, **G**- Glass Bottle, **J** - Glass Jar, **V**- Vial, **Z** - Ziplock bag, **N** - Nitric Acid Preserved, **C** - Hydrochloric Acid Preserved, **S** - Sulphuric Acid Preserved, **I** - Ice, **ST** - Sodium Thiosulfate, **NP** - No Preservative

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

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

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Sample Receipt Advice

Company name:	DRB Consulting Engineers
Contact name:	Paul Wright
Project name:	4 Fleet St
Project ID:	254833
Turnaround time:	3 Day
Date/Time received	Oct 15, 2025 12:50 PM
Eurofins reference	1279966

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:

Andrew Black on phone : (+61) 2 9900 8490 or by email: Andrew.Black@eurofinsanz.com

Results will be delivered electronically via email to Paul Wright - paul@drbengineering.com.au.

Note: A copy of these results will also be delivered to the general DRB Consulting Engineers email address.

Global Leader - Results you can trust

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

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Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 Fleet St
Project ID: 254833

Order No.:
Report #: 1279966
Phone: 0401 542 446
Fax:

Received: Oct 15, 2025 12:50 PM
Due: Oct 20, 2025
Priority: 3 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Polycyclic Aromatic Hydrocarbons	Phenols (Speciated)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X
External Laboratory								
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**			
1	DL-NORTH-01	Oct 15, 2025		Soil	N25-Oc0042168	X		X
2	DL-NORTH-02	Oct 15, 2025		Soil	N25-Oc0042169	X		X
3	DL-EAST-01	Oct 15, 2025		Soil	N25-Oc0042170	X		X
4	DL-EAST-02	Oct 15, 2025		Soil	N25-Oc0042171	X		X
5	DL-SOUTH-01	Oct 15, 2025		Soil	N25-Oc0042172	X		X
6	DL-SOUTH-02	Oct 15, 2025		Soil	N25-Oc0042173	X		X
7	DL-WEST-01	Oct 15, 2025		Soil	N25-Oc0042174	X		X
8	DL-WEST-02	Oct 15, 2025		Soil	N25-Oc0042175	X		X
9	DL-SOUTH-03	Oct 15, 2025		Soil	N25-Oc0042176	X		X
10	BLACK ROCK	Oct 15, 2025		Soil	N25-Oc0042177	X		X
11	ASPHALTIC	Oct 15, 2025		Soil	N25-Oc0042178	X	X	X
12	QC-DL-NORTH-01	Oct 15, 2025		Soil	N25-Oc0042204	X		X
Test Counts						12	1	12

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Certificate of Analysis

DRB Consulting Engineers
21 Sturdee Street
New Lambton
NSW 2305

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Paul Wright**

Report **1279966-S**
Project name 4 Fleet St
Project ID 254833
Received Date Oct 15, 2025

Client Sample ID			**DL-NORTH-01**	**DL-NORTH-02**	**DL-EAST-01**	**DL-EAST-02**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**N25-Oc0042168**	**N25-Oc0042169**	**N25-Oc0042170**	**N25-Oc0042171**
Date Sampled			**Oct 15, 2025**	**Oct 15, 2025**	**Oct 15, 2025**	**Oct 15, 2025**
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	0.6	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.9	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	0.6	< 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	1.3	0.5	0.7	< 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	0.6	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	1.1	< 0.5	0.6	< 0.5
Total PAH*	0.5	mg/kg	4.1	0.5	1.3	< 0.5
2-Fluorobiphenyl (surr.)	1	%	97	92	80	87
p-Terphenyl-d14 (surr.)	1	%	95	85	78	69
Sample Properties						
% Moisture	1	%	1.7	1.9	1.3	1.0

Client Sample ID			DL-SOUTH-01	DL-SOUTH-02	DL-WEST-01	DL-WEST-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Oc0042172	N25-Oc0042173	N25-Oc0042174	N25-Oc0042175
Date Sampled			Oct 15, 2025	Oct 15, 2025	Oct 15, 2025	Oct 15, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	1.5	10	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	1.8	10	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	2.0	10	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	1.7	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	0.8	5.2	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	1.2	7.1	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	0.8	4.9	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	1.0	5.4	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	0.9	6.2	< 0.5
Chrysene	0.5	mg/kg	< 0.5	1.0	5.4	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	1.2	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	2.6	16	< 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	0.7	4.4	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	1.2	6.2	< 0.5
Pyrene	0.5	mg/kg	< 0.5	2.5	15	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	13	79	< 0.5
2-Fluorobiphenyl (surr.)	1	%	88	90	63	84
p-Terphenyl-d14 (surr.)	1	%	93	78	56	73
Sample Properties						
% Moisture	1	%	1.7	2.2	3.6	3.6

Client Sample ID			DL-SOUTH-03	BLACK ROCK	ASPHALTIC	QC-DL-NORTH-01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Oc0042176	N25-Oc0042177	N25-Oc0042178	N25-Oc0042204
Date Sampled			Oct 15, 2025	Oct 15, 2025	Oct 15, 2025	Oct 15, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.1
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	1.3
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.6
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	0.8
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.8
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.8
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.6
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.0
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.8
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	0.8	< 0.5	< 0.5	2.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			DL-SOUTH-03	BLACK ROCK	ASPHALTIC	QC-DL-NORTH-01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			N25-Oc0042176	N25-Oc0042177	N25-Oc0042178	N25-Oc0042204
Date Sampled			Oct 15, 2025	Oct 15, 2025	Oct 15, 2025	Oct 15, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	0.8	< 0.5	1.4
Pyrene	0.5	mg/kg	0.7	< 0.5	< 0.5	2.0
Total PAH*	0.5	mg/kg	1.5	0.8	< 0.5	11
2-Fluorobiphenyl (surr.)	1	%	73	81	98	97
p-Terphenyl-d14 (surr.)	1	%	73	74	74	87
Sample Properties						
% Moisture	1	%	1.4	< 1	< 1	1.6
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	75	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Polycyclic Aromatic Hydrocarbons	Sydney	Oct 16, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
% Moisture	Sydney	Oct 15, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			
Phenols (Halogenated)	Sydney	Oct 16, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Oct 16, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

eurofins

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6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

Company Name: DRB Consulting Engineers
Address: 21 Sturdee Street
New Lambton
NSW 2305

Project Name: 4 Fleet St
Project ID: 254833

Order No.:
Report #: 1279966
Phone: 0401 542 446
Fax:

Received: Oct 15, 2025 12:50 PM
Due: Oct 20, 2025
Priority: 3 Day
Contact Name: Paul Wright

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Polycyclic Aromatic Hydrocarbons	Phenols (Speciated)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X
External Laboratory								
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**			
1	DL-NORTH-01	Oct 15, 2025		Soil	N25-Oc0042168	X		X
2	DL-NORTH-02	Oct 15, 2025		Soil	N25-Oc0042169	X		X
3	DL-EAST-01	Oct 15, 2025		Soil	N25-Oc0042170	X		X
4	DL-EAST-02	Oct 15, 2025		Soil	N25-Oc0042171	X		X
5	DL-SOUTH-01	Oct 15, 2025		Soil	N25-Oc0042172	X		X
6	DL-SOUTH-02	Oct 15, 2025		Soil	N25-Oc0042173	X		X
7	DL-WEST-01	Oct 15, 2025		Soil	N25-Oc0042174	X		X
8	DL-WEST-02	Oct 15, 2025		Soil	N25-Oc0042175	X		X
9	DL-SOUTH-03	Oct 15, 2025		Soil	N25-Oc0042176	X		X
10	BLACK ROCK	Oct 15, 2025		Soil	N25-Oc0042177	X		X
11	ASPHALTIC	Oct 15, 2025		Soil	N25-Oc0042178	X	X	X
12	QC-DL-NORTH-01	Oct 15, 2025		Soil	N25-Oc0042204	X		X
Test Counts						12	1	12

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

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

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
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							
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							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.4-Dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	82			70-130	Pass	
Acenaphthylene	%	84			70-130	Pass	
Anthracene	%	87			70-130	Pass	
Benz(a)anthracene	%	84			70-130	Pass	
Benzo(a)pyrene	%	83			70-130	Pass	
Benzo(b&j)fluoranthene	%	94			70-130	Pass	
Benzo(g.h.i)perylene	%	76			70-130	Pass	
Benzo(k)fluoranthene	%	103			70-130	Pass	
Chrysene	%	81			70-130	Pass	
Dibenz(a.h)anthracene	%	75			70-130	Pass	
Fluoranthene	%	89			70-130	Pass	
Fluorene	%	89			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	75			70-130	Pass	
Naphthalene	%	84			70-130	Pass	
Phenanthrene	%	82			70-130	Pass	
Pyrene	%	89			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	84			70-130	Pass	
Acenaphthylene	%	73			70-130	Pass	
Anthracene	%	84			70-130	Pass	
Benzo(b&j)fluoranthene	%	83			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Benzo(k)fluoranthene	%	82			70-130	Pass	
Chrysene	%	76			70-130	Pass	
Dibenz(a.h)anthracene	%	75			70-130	Pass	
Fluorene	%	98			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	76			70-130	Pass	
Naphthalene	%	90			70-130	Pass	
Phenanthrene	%	72			70-130	Pass	
Pyrene	%	75			70-130	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2.4-Dimethylphenol	%	74			25-140	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	82			25-140	Pass	
2.4-Dichlorophenol	%	74			25-140	Pass	
2.6-Dichlorophenol	%	78			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Methylphenol (o-Cresol)	%	99			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	93			25-140	Pass	
Phenol	%	77			25-140	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-Oc0034541	NCP	%	74			70-130	Pass	
Acenaphthylene	S25-Oc0034541	NCP	%	76			70-130	Pass	
Anthracene	S25-Oc0034541	NCP	%	75			70-130	Pass	
Benz(a)anthracene	S25-Oc0034541	NCP	%	74			70-130	Pass	
Benzo(a)pyrene	S25-Oc0034541	NCP	%	72			70-130	Pass	
Benzo(b&j)fluoranthene	S25-Oc0034541	NCP	%	72			70-130	Pass	
Benzo(g.h.i)perylene	W25-Oc0041917	NCP	%	82			70-130	Pass	
Benzo(k)fluoranthene	S25-Oc0034541	NCP	%	79			70-130	Pass	
Chrysene	W25-Oc0041917	NCP	%	91			70-130	Pass	
Dibenz(a.h)anthracene	W25-Oc0041917	NCP	%	84			70-130	Pass	
Fluoranthene	S25-Oc0034541	NCP	%	81			70-130	Pass	
Fluorene	S25-Oc0034541	NCP	%	79			70-130	Pass	
Indeno(1.2.3-cd)pyrene	W25-Oc0041917	NCP	%	79			70-130	Pass	
Naphthalene	S25-Oc0034541	NCP	%	76			70-130	Pass	
Phenanthrene	W25-Oc0041917	NCP	%	88			70-130	Pass	
Pyrene	S25-Oc0034541	NCP	%	83			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	N25-Oc0042168	CP	mg/kg	0.5	< 0.5	30	30%	Pass	
Benzo(b&j)fluoranthene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	N25-Oc0042168	CP	mg/kg	0.6	< 0.5	37	30%	Fail	Q15
Chrysene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	N25-Oc0042168	CP	mg/kg	1.3	0.9	35	30%	Fail	Q15
Fluorene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	N25-Oc0042168	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	N25-Oc0042168	CP	mg/kg	0.6	0.5	19	30%	Pass	
Pyrene	N25-Oc0042168	CP	mg/kg	1.1	0.8	34	30%	Fail	Q15
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	W25-Oc0041935	NCP	%	19	20	1.0	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	N25-Oc0042174	CP	%	3.6	4.0	9.0	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Dibenz(a.h)anthracene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S25-Oc0043214	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S25-Oc0036457	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S25-Oc0036457	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S25-Oc0036457	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S25-Oc0036457	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
4-Chloro-3-methylphenol	S25-Oc0036457	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S25-Oc0036457	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S25-Oc0036457	NCP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S25-Oc0036457	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S25-Oc0036457	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S25-Oc0036457	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S25-Oc0036457	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S25-Oc0036457	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S25-Oc0036457	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S25-Oc0036457	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S25-Oc0036457	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S25-Oc0036457	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S25-Oc0036457	NCP	mg/kg	< 0.5	< 0.5	<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
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Andrew Black	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Organic
Ryan Phillips	Senior Analyst-Sample Properties

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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.

APPENDIX F – VENM LETTER

Practical Environmental Solutions Pty Ltd
1/2 Frost Drive, Mayfield West
PO BOX 167 MAYFIELD NSW 2304
www.practicalenvirosolutions.com
P: (02) 4967 6888 M: 0401 507 517
ACN 1400 75994 ABN 35 578 413 720

17 July 2023

LONGWALL HAUL PTY LTD
LOT 20 KALAROO ROAD
REDHEAD NSW 2290

Attention: Mr. Neil Cann

Re: VENM Soil Certification
Site: Nº 4 Fleet Street, Salamander Bay NSW

BACKGROUND

Practical Environmental Solutions Pty Ltd. (PES) has been engaged by Mr. Neil Cann on behalf of Longwall Haul PTY LTD (the Client) to assess and provide classification for soils soon to be surplus to requirement and destined for off-site disposal.

An amount of soil approximating (up to) 2500 tonnes, will be required to leave site.

For the purposes of this classification the land is described as Lot 101 DP839815 will be referred to as Nº 4 Fleet Street, Salamander Bay.

The relevant Local Government Area (LGA) is Port Stephens Council.

PES inspected the site on the afternoon of Monday 17 July 2023.

SOIL ASSESSMENT

For soils under assessment, PES adopts a risk-based approach that includes:

1. Consideration of whatsoever site history is readily available;
2. Observation for visual or olfactory signs of potential contamination;
3. Use of a hand auger and PID when material is still in situ;
4. Consideration of the land's AHD information when considering the potential for ASS to be present and
5. Judgemental determination of when a stockpile quantity & site history demands a more intrusive assessment involving the de-stockpiling of material for more comprehensive investigation.

Accordingly, the material we observed in stockpile was clearly native to this site and would be described as orange/brown to grey/brown granite rock (see photos attached).

PES did not observe visual or olfactory evidence of any contaminants of concern in the material nor the immediate vicinity and no suggestion of there being such a concern given anecdotal evidence of prior use of the land only ever being 'greenfield' bushland prior to subdivision and land development. We are confident that no potentially contaminating activity was ever performed on this land. Visually, the material was free of anthropogenic waste.

With soil assessment now complete, the material to be transported from site can now be classified with confidence.

SOIL CLASSIFICATION

The Protection of the Environment Operations Act 1997 (POEO Act) defines virgin excavated natural material (VENM) as natural material (such as clay, gravel, sand, soil or rock fines):

(a) that has been excavated or quarried from areas that are not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial, mining or agricultural activities; and
(b) that does not contain any sulfidic ores or soils or any other waste.

In this instance, PES has considered:

- The lands prior use; having been only bushland the land provides what we contend to be low risk of asbestos contamination.
- Visually the material contained no asbestos fragments, and the surrounding soil surface on the property was free from asbestos fragments.

PES' review of past land uses and the results of our site assessment of site soils (in-situ) destined to leave this site have resulted in the conclusion that the material satisfies the requirements of and is classified as Virgin Excavated Natural Material (VENM).

For the material classified to retain its VENM status; mixing of topsoil (including organic matter) and waste materials with the residual VENM material shall be avoided. If mixing were to occur, the classified material will no longer satisfy the criteria for the VENM classification. Also, should asbestos be subsequently found in soil that was reasonably unavailable to PES at the time of assessment, the soil would immediately revert to waste and subject to a separate waste classification.

Attached is the soil movement form and identification photographs of the assessed material.

Yours Sincerely,

Anthony Milligan | Managing Director
BConMgt (Building), Eng Surv., Occupational Hygiene (BOHS)
SafeWork NSW Asbestos Assessor Licence No. 000161
Practical Environmental Solutions Pty Ltd
M: 0401 507 517 | P: (02) 4967 6888 | tonymilligan@practicalenvirosolutions.com

(see VENM Certificate attached over)

Virgin excavated natural material

1. I	*Anthony Milligan*
of	*Practical Environmental Solutions Pty Ltd.*
certify that the waste as set out in section 2 of this notice is Virgin Excavated Natural Material (VENM) as defined in Schedule 1 of the *Protection of the Environment Operations Act 1997*.	
This certification is made on behalf of the waste generator	
being *of*	*Mr. Neil Cann of*
	Longwall Haul PTY LTD
2. The waste was generated at:	
Street address:	**Nº 4 Fleet Street, Salamander Bay NSW.**
Title reference	Lot 101 DP839815
The amount of waste (by volume or weight) is:	Nominally 2500 tonnes – orange/brown to grey/brown granite rock.
3. I have made the determination that the waste is VENM because:	
✓ **I have assessed the historical and current land use of the site at which the waste was generated.**	
✓ **The waste is not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial, mining or agricultural activities.**	
✓ **The waste does not contain any sulfidic ores or soils.**	
✓ **The waste does not contain any other waste.**	
✓ **The waste does not contain asbestos in any form.**	

Note: that all sections of this form must be completed including all boxes checked in Section 3 above and signed below for any material to be certified as VENM.

Signature(s)

Name(s) (printed) Anthony Milligan

Date 17/07/2023

Warning: There are significant penalties under s.144AA of the *Protection of the Environment Operations Act 1997* for a person who supplies (whether knowingly or not) information that is false or misleading in a material respect about waste.

PRACTICAL ENVIRONMENTAL SOLUTIONS PTY LTD
INSPECTION AND TEST REPORT (ITR 01)

SOIL MOVEMENT FORM_OFFSITE DISPOSAL

PRACTICAL ENVIRONMENTAL SOLUTIONS

Project Description:	Project No:
Location:	Date:
Prepared By:	
Approved By:	

Date	Material Classification	Time Left Site	Truck Rego No.	Estimated Nett Wgt. (T)	Destination	Comments/Notes

DAILY RECORD OF MATERIALS LEAVING SITE

PROJECT TITLE: VENM Certificate			**DRAWING TITLE:** Aerial Image _ Nº 4 Fleet Street, Salamander Bay NSW		PRACTICAL ENVIRONMENTAL SOLUTIONS
CLIENT: Longwall Haul PTY LTD					
DATE: 17/07/2023	**SCALE:** NTS	**DESIGNED**: T.M.	**DRAWING NUMBER**: 1	**JN**: 23.4771	N
PRACTICAL ENVIRONMENTAL SOLUTIONS			**SOURCE**: SIX Maps (NSW Government 2023)		

Identification Photographs	
Photograph 1: Front Elevation	**Photograph 2:** Material for Classification
Photograph 3: Material in Stockpile	**Photograph 4:** Material in Stockpile
Photograph 5: Area of Excavation	**Photograph 6:** Area of Excavation