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CDC DATA CENTRES BK3 DEVELOPMENT

PRELIMINARY FIRE SAFETY STRATEGY AND DANGEROUS GOODS REVIEW

Revision: 2

Date: 11 December 2025



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ADVERTISED MATERIAL
Planning Application Number: P0588/2025
Page Number: 1 of 262

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CDC DATA CENTRES BK3 DEVELOPMENT
PRELIMINARY FIRE SAFETY STRATEGY AND DANGEROUS GOODS REVIEW

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ADVERTISED MATERIAL

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EXECUTIVE SUMMARY

This report has been prepared by Vector Alliance to communicate the Preliminary Fire Safety Strategy for the third stage of the development of the proposed CDC Brooklyn Data Centre Campus site located at 582B Geelong Road and 11A McDonald Road, Brooklyn VIC 3012. The third stage of the development (BK3 Development) includes the following works:

- 4-storey Data Centre Building (BK3 Building). The BK3 Building is comprises BK3 East (Technical Areas), BK3 West (Technical Areas), and Front of House Office Areas.
- External diesel fuel generators in a double stack arrangement.
- Site infrastructure.
- Road work and carparking.

The Preliminary Fire Safety Strategy and Dangerous Goods Review include required Essential Safety Measures and proposed standards of construction, commissioning, management, use, and maintenance. It also includes advice with respect to site master planning elements applicable to fire safety, including Dangerous Good mitigation strategies and associated diesel fuel separation distances. The Preliminary Fire Safety Strategy will be subject to change as the design develops during future design phases.

Unless explicitly stated within this report, the BK3 Building design is assumed to comply with the Deemed to Satisfy (DtS) Provisions of the National Construction Code Volume 1 2022 Amendment 2 (BCA). The Fire Safety Strategy integrates performance-based design elements as per the Performance Solution Summary Table presented in Table 1.

Table 1 – Performance Solution Summary Table.

Performance Solution	BCA DtS Clause(s)	BCA Performance Requirement(s)
Rationalised Fire Resistance Levels	C2D2	C1P1, C1P2
Lightweight fire walls on security boundaries to have a FRL comprising of a non-tested system incorporating a steel plate for security compliance.	C2D2	C1P1, C1P2
Increased fire compartment size limits for Cold Shell areas.	C3D3	C1P1, C1P2
Extended exit travel distances and distances between alternative exits.	D2D5, D2D6	D1P4, E2P2
Stairway that is not a required exit interconnects 4off storeys in front of house office areas.	D2D17	C1P2, E2P2
Doors with firebolts on fire compartment boundaries that cannot be opened in elevated temperatures.	D3D26	D1P2, D1P4, E1P3
Fire hydrant system outside of scope of AS 2419.1:2021.	E1D2	E1P3
Fire brigade booster assembly not located at primary site vehicular entrance.	E1D2, E1D4	E1P3, E1P4
Omission of fire hose reels.	E1D3	E1P1, E1P2
Sprinklers permitted in IT Switchrooms containing high voltage equipment.	E1D4	E1P4
Sprinkler Valve Rooms do not have direct egress to a road or open space.	E1D4	E1P4
Pre-action sprinkler systems serving Data Halls proposed to be activated by a smoke detection system complying with FM Global Property Loss Prevention Data Sheet 5-32 in lieu of AS 1670.1:2018.	E1D4	E1P4
Adoption of black mild steel pipework for pre-action sprinkler systems in lieu of galvanised steel.	E1D4	E1P4

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CDC DATA CENTRES BK3 DEVELOPMENT
PRELIMINARY FIRE SAFETY STRATEGY AND DANGEROUS GOODS REVIEW

Performance Solution	BCA DtS Clause(s)	BCA Performance Requirement(s)
Rationalised Essential Safety Measures Serving Generator Structure.	C2D2, D2D5, D2D6, E1D2, E1D3, E1D4, E4D2 - E4D8	C1P1, C1P2, D1P4, E1P1, E1P2, E1P3, E1P4, E2P2, E4P1, E4P2

The BK3 Building is proposed to contain lithium-ion battery energy storage systems within the building and have diesel fuel generators located external to the building. This report describes elements of the design proposed to address the special hazards presented by these systems.

This report has been prepared in accordance with the Australian Fire Engineering Guidelines 2021 (AFEG) and precedes the Performance Based Design Brief (PBDB) for the BK3 Building.

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1 INTRODUCTION

1.1 SCOPE OF THE PROJECT

This report has been prepared by Vector Alliance to communicate the Preliminary Fire Safety Strategy for the third stage of the development of the proposed CDC Brooklyn Data Centre Campus site located at 582B Geelong Road and 11A McDonald Road, Brooklyn VIC 3012. The third stage of the development (BK3 Development) includes the following works:

- 4-storey Data Centre Building (BK3 Building). The BK3 Building is comprises BK3 East (Technical Areas), BK3 West (Technical Areas), and Front of House Office Areas.
- External diesel fuel generators in a double stack arrangement.
- Site infrastructure.
- Road work and carparking.

Refer to Figure 1 for a depiction of the proposed CDC Brooklyn site layout incorporating the proposed BK3 Building and existing BK1 Building and BK2 Building. Refer to Figure 2 and Figure 3 for depictions of the BK3 Building site plan and access, and 3D view, respectively.



Figure 1 – Proposed CDC Brooklyn Site Layout – Site Plan.

CDC DATA CENTRES BK3 DEVELOPMENT
PRELIMINARY FIRE SAFETY STRATEGY AND DANGEROUS GOODS REVIEW

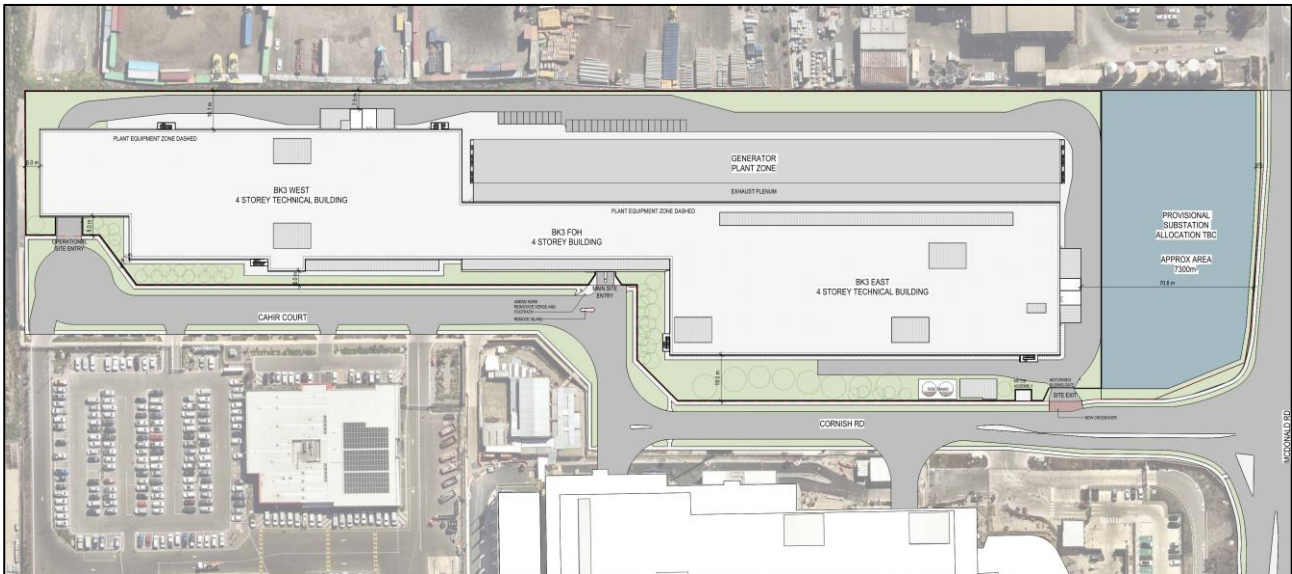


Figure 2 – Proposed Brooklyn 3 Data Centre Site Layout – Site Plan and Access.



Figure 3 – Proposed CDC Brooklyn 3 Data Centre Site Layout – 3D View.

All works shall be undertaken in accordance with the National Construction Code Volume 1 2022 Amendment 2 (BCA) and/or future edition(s) of the BCA depending on the date of approval for each stage of construction. The design is proposed to incorporate a combination of Deemed-to-Satisfy (DtS) Solutions and Performance Solutions to comply with the Performance Requirements of the BCA.

This document comprises the Preliminary Fire Safety Strategy and has been prepared to communicate proposed Essential Safety Measures, standards of construction, commissioning, management, use, and maintenance. The Preliminary Fire Safety Strategy will be subject to change as the design develops further.

This report has been prepared in accordance with the Australian Fire Engineering Guidelines 2021 (AFEG) and precedes the Performance Based Design Brief (PBDB) for the BK3 Building.

1.2 REGULATORY FRAMEWORK

The project must meet the requirements of applicable Building Legislation, specifically the Victorian Building Act 1993 and applicable delegated Legislation. The BCA is adopted through this Legislation and provides technical building design requirements.

Building compliance is achieved through compliance with the BCA Performance Requirements. Compliance with the Performance Requirements can be demonstrated by satisfying the DtS Provisions, a Performance Solution, or a combination of both.

Fire Safety Engineering assessment and reporting is undertaken to demonstrate that Performance Solutions pertaining to fire safety comply with the Performance Requirements. A Performance Solution is an aspect of the building design that does not satisfy the DtS Provisions but has been demonstrated to:

- Comply with all relevant Performance Requirements; or
- Be at least equivalent to the DtS Provisions.

A Performance Solution must be demonstrated to comply with the Performance Requirements using one or a combination of the methods prescribed in Clause A2G2 of the BCA.

1.3 RELEVANT STAKEHOLDERS

Engagement of stakeholders is fundamental to the Fire Safety Engineering process, required to ensure stakeholder requirements are considered in the development of a Building Solution. Stakeholders are also required to be informed of the Fire Safety Strategy to ensure the strategy is adopted as part of the design and construction to the building, in addition to ongoing maintenance, management and use of the building. Relevant stakeholders at this stage of the Fire Safety Engineering process have been identified and listed in Table 2.

Table 2 – Schedule of Project Stakeholders.

Stakeholder	Representative	Role
CDC Data Centres	Jeremy Tack Shin	Design Manager / Site Operator
Fire Rescue Victoria (FRV)	-	Fire Authority
Denton Corker Marshall	Fairlyn Winoyo	Architect
Angle Town Planning	Daniel O'Keefe	Town Planner
Sellicks Consultants	Adam Zahra	Structural Engineer
Warren Smith Consulting Engineers	James Georgiades	Civil Engineer
Collective Engineering	Matt Mee	Hydraulic Services Engineer
Terras	Steven Rushworth	Landscape Designer
Traffix Group	Martin O'Shea	Traffic Engineer
Ark Resources	Leonie Dixon	ESD Consultant
E-LAB Consulting	Andre Verstappen	Acoustic Consultant
Leigh Design	Daniel Edwards	Waste Management Consultant
Vector Alliance	Ashtad Sadrzadeh Samson Sternhell	Fire Safety Engineer
	Damian La Starza	Registered Professional Engineer – Fire Safety

1.4 REFERENCE DOCUMENTATION

The Preliminary Fire Safety Strategy has been based on the drawings listed in Table 3.

Table 3 – Schedule of Referenced Drawings.

Discipline	Drawing Number	Drawing Name	Date	Rev
Architectural	MEL-BK-AR-DG-DA00	Cover Sheet	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA01	Site Location Plan	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA02	Site Plan	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA03	Site Floor Plan	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA04	Site 3D Massing	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA11	Floor Plans – Ground Floor West	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA12	Floor Plans – Ground Floor East	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA13	Floor Plans – Level 1, 2, 3 Typical West	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA14	Floor Plans – Level 1, 2, 3 Typical East	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA15	Roof Plan - West	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA16	Roof Plan - East	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA30	East and North Elevations	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA31	West and South Elevations	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA32	Sections	28.11.2025	P1
Architectural	MEL-BK-AR-DG-DA40	Renders	28.11.2025	P1

1.5 OBJECTIVES

The fire safety objectives have been developed in collaboration with project stakeholders. Objectives pertaining to Fire Safety Engineering are categorised as building regulatory objectives, other regulatory objectives, and non-regulatory objectives.

Building regulatory objectives applicable to the project are as identified in the BCA. The broad objectives pertaining to fire safety are prescribed in Objectives C1O1, D1O1, E1O1, E2O1, and E4O1. These objectives are summarised as follows:

- Safeguard people from illness or injury due to a fire in a building.
- Safeguard occupants from illness or by warning them of a fire so that they may safely evacuate.
- Safeguard occupants from illness or injury while evacuating a building during a fire or other emergency.
- In an emergency, safeguard occupants from injury by:
 - Having adequate visibility.
 - Having adequate identification of exits and paths of travel to exits.
 - Being made aware of the emergency.
- Facilitate the activities of emergency services personnel.
- Avoid the spread of fire between buildings.
- Protect other property from physical damage caused by structural failure of a building as a result of fire.
- Provide facilities for occupants and the fire brigade to undertake fire-fighting operations.
- Provide, as far as reasonable, people with safe, equitable and dignified access to:
 - A building.

Other regulatory objectives are those presented in alternative Legislation and are generally broad in nature. Other regulatory objectives applicable to the project are summarised as follows:

- Environmental protection.
- Occupational health and safety.
- Accessibility.
- Fire brigade operational requirements.
- Land use and planning matters.

Non-regulatory objectives are additional objectives set by other stakeholders. The non-regulatory objectives pertaining to fire safety and applicable to the subject building are understood to comprise the following:

- Information security.
- Property and asset protection in accordance with CDC Data Centres client and insurer requirements.
- Access for large equipment installation and replacement.
- Minimise the extent of disruption and modification works required to achieve BCA compliance.
- Mitigate the likelihood and consequence of spurious fire alarms.

1.6 ASSUMPTIONS AND LIMITATIONS

The following assumptions and limitations are applicable to the Fire Safety Engineering assessment and reporting:

- The contents of this report are only applicable to the subject site and the current design and shall not be utilised for other projects.
- Unless explicitly stated otherwise within this report, the building design is assumed to comply with the BCA DtS Provisions applicable to fire safety.
- This assessment is based on documentation explicitly referenced within this report. Changes to this documentation or the provision of additional documentation may affect the outcomes of this assessment.
- This assessment does not address compliance with regulatory requirements associated with environmental, disability discrimination, and occupational health and safety.
- This assessment is limited to risks associated with accidental fire starts, considering a single fire occurring at any one time. Arson and other malicious acts that may result in a fire have not been identified as a considerable risk and therefore have not been assessed.
- This assessment is limited to addressing life safety and does not address property protection or business continuity following an incident. Client requirements exceeding BCA DtS Provisions have been adopted at the direction of the Client and included as part of the Fire Safety Strategy.
- This assessment is not based on achieving absolute safety, as there will always be a finite level of risk. The intent of the Fire Safety Engineering assessment is to demonstrate an adequate level of fire safety by demonstrating compliance with the BCA Performance Requirements.
- The diesel fuel generator assessment is limited to providing an overview of fire safety requirements applicable to the storage of diesel fuel and does not specify all ancillary compliance requirements or address the safe handling and use of the diesel fuel on site or general emergency management protocols.
- The diesel fuel generator assessment is based on the requirements of AS 1940:2017 and does not assess compliance with International Standards or Environmental Protection Authority requirements unless specifically noted within AS 1940:2017 or this report.
- The current edition of the BCA and referenced standards do not specifically address special risks associated with lithium-ion batteries. Therefore, Vector Alliance has relied on the material available at the time of writing this report. Risk mitigation strategies associated with lithium-ion battery energy storage systems are the subject of ongoing research. The analysis presented in this report represents the current understanding of the subject matter and is subject to limitations of the available data at the time of writing the report.

2 DEVELOPMENT CHARACTERISTICS

2.1 SITE LOCATION AND ACCESS

The site located at 582B Geelong Road and 11A McDonald Road, Brooklyn VIC 3012 is an irregular shaped allotment, occupying a land area of approximately 51,180 m². Entrance to and exit from the site is proposed to be provided via Cahir Court, with a site exit provided to Cornish Road as illustrated in Figure 1. Access roads within the site and around the BK3 Building are proposed to be provided to facilitate vehicular movement throughout the site.

The site is located within proximity of multiple Fire Rescue Victoria Fire Stations, with the closest stations being the FRV Brooklyn Station (FS45) and the FRV North Laverton Station (FS49) located approximately 1.3 km and 4 km from the site, respectively. Refer to Figure 4 and Figure 5 for illustration of the directions and distances from the closest FRV Fire Stations to the site.

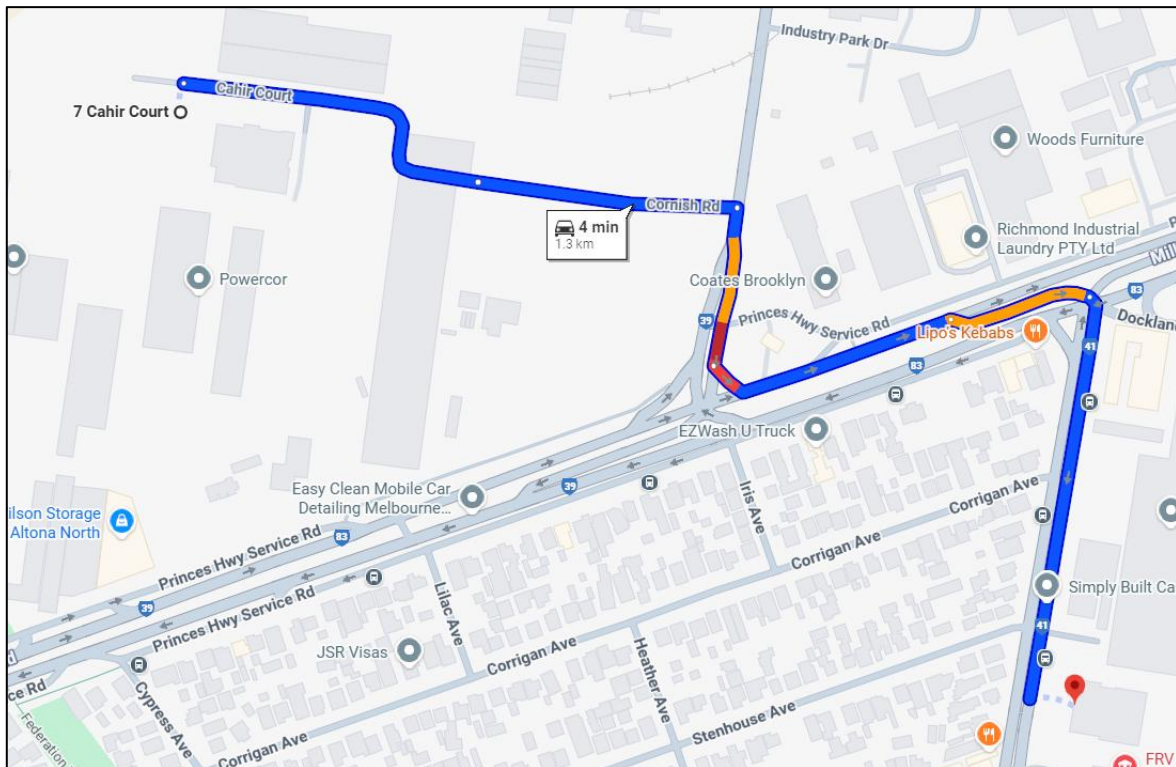


Figure 4 – Approximate Distance from FRV Brooklyn Fire Station (FS45).

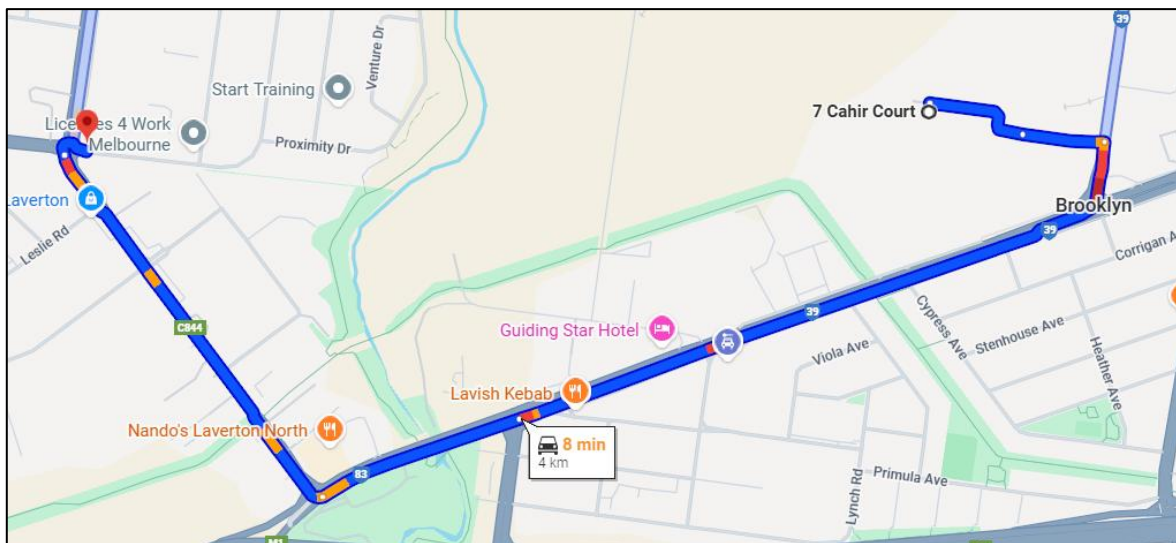


Figure 5 – Approximate Distance from FRV North Laverton Fire Station (FS49).

2.2 BUILDING CHARACTERISTICS

The BK3 building is proposed to be used as a Data Centre building containing 4 storeys, with ancillary office areas provided on Ground Floor, Level 1, and Level 2. The building is also proposed to have Roof and Chiller Deck Levels that are generally open to atmosphere but include enclosed rooms for services equipment and therefore, have been considered herein (despite not being counted in the rise in storeys assessment).

The proposed use and floor area of each storey is summarised in Table 4. Table 5 presents a summary of key building characteristics.

Table 4 – Breakdown of BK3 Building by Storey and Use.

Storey	Classification	Use	Approx. Floor Area
Ground Floor (BK3 East)	7b / 8	Data Halls, Mechanical Services Corridors, Circulation Corridors, Comms Rooms, Switchrooms, Battery Rooms, Plant Rooms, Sprinkler Valve Rooms, Store Rooms, Amenities, Bin Room, and Loading Dock	10,220 m ²
Ground Floor (BK3 East)	5	Offices, Security Rooms, Meeting Rooms, Store Rooms, and Amenities	430 m ²
Ground Floor (BK3 West)	7b / 8	Data Halls, Mechanical Services Corridors, Circulation Corridors, Comms Rooms, Switchrooms, Battery Rooms, Plant Rooms, Sprinkler Valve Rooms, Store Rooms, Amenities, Bin Room, and Loading Dock	8,640 m ²
Levels 1, 2 or 3 (BK3 East)	7b / 8	Data Halls, Mechanical Services Corridors, Circulation Corridors, Comms Rooms, Switchrooms, Battery Rooms, Plant Rooms, Sprinkler Valve Rooms, Store Rooms, and Loading Dock	9,960 m ²
Levels 1, 2 or 3 (BK3 East)	5	Offices, Security Rooms, Meeting Rooms, Store Rooms, and Amenities	1,500 m ²
Levels 1, 2 or 3 (BK3 West)	7b / 8	Data Halls, Mechanical Services Corridors, Circulation Corridors, Comms Rooms, Switchrooms, Battery Rooms, Plant Rooms, Sprinkler Valve Rooms, Store Rooms, and Loading Dock	8,590 m ²
Levels 1, 2 or 3 (BK3 West)	5	Offices, Security Rooms, Meeting Rooms, Store Rooms, and Amenities	850 m ²
Total			81,990 m²*

*Excludes Roof and Chiller Deck Levels and any enclosed spaces within.

Table 5 – Summary of Key Building Characteristics.

Characteristic	Value
Number of Storeys Contained	5
Rise in Storeys	4
Occupancy Classifications	5, 7b, and 8
Type of Fire-Resisting Construction	A
Effective Height (Approximate)	18 m
Total Building Floor Area (Approximate)	81,990 m²*

*Excludes Roof and Chiller Deck Levels and any enclosed spaces within.

2.3 DIESEL FUEL GENERATORS

As illustrated in Figure 1, Figure 2, and Figure 3, the area to the north-east of the proposed BK3 Data Centre Building is proposed to incorporate a 2-storey structure to support diesel motor driven high voltage electrical generator. Each generator structure is assumed to be considered a Class 10 structure in accordance with the BCA. Refer to Figure 6 for a section drawing excerpt depicting the proposed external generator arrangement for the BK3 Building.

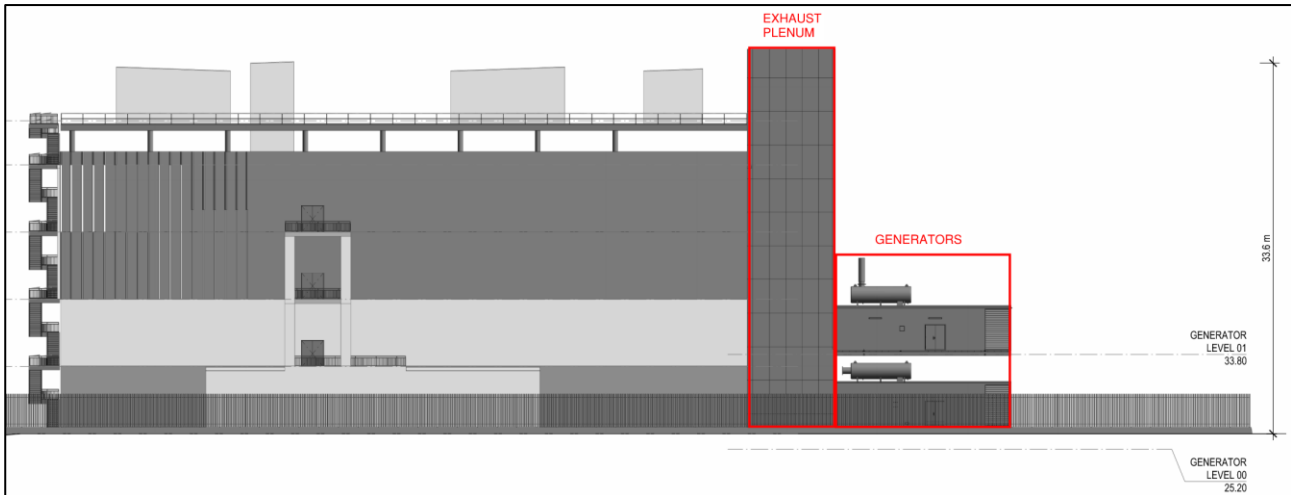


Figure 6 – Elevation Depicting External Generator Arrangement for BK3 Building.

A common chimney is proposed to be established to facilitate the discharge of hot air from the generators above the roof line. The chimney is not proposed to be utilised for generator flue exhaust. The chimney structure will be enclosed with non-combustible cladding, including any roof between chimney stacks but excluding the top of each chimney stack. The chimney is proposed to be attached to both the Generator Structure and the BK3 Building.

As the design develops, the Building Surveyor is expected to determine whether the proposed Generator Structure is considered part of the BK3 Building and therefore assigned a Class 7b / Class 8 Occupancy Classification in lieu of the Class 10a Occupancy Classification. The Generator Structure would be expected to be applied if the structures were not interconnected via the common chimney structure.

The Ground Floor diesel fuel generators in a double stacked arrangement are proposed to be provided with 76,000 L of dedicated diesel fuel storage in the form of a self-bunded 'belly tank' mounted to the base of the Ground Floor diesel generator engine skid. Each belly tank is configured to serve the 2off generators above the tank that comprise the double stack arrangement. The Level 1 generators also incorporate a 250 L 'day tank'. Therefore, the total diesel fuel stored per pair of generators is 76,250 L.

All fuel storage installations shall comply with the requirements of AS 1940:2017.

Table 6 presents a summary of key characteristics of the backup generators and associated fuel storage area for the generator structures across the Brooklyn Data Centre Campus.

Table 6 – Generators and Associated Diesel Fuel Storage Characteristics for Generator Structures.

Characteristic	Structure Adjacent BK3 Building
Quantity of generators in double stack arrangement	76 (38 pairs)
Quantity of generators in single stack arrangement	0
Total number of generators	76
Diesel fuel stored per generator pair	76,250 L
Total diesel fuel stored in diesel fuel generator area	2,897,500 L
Approximate distance from building	8 m
Approximate distance to closest allotment boundary	22.2 m
Approximate distance between diesel fuel tanks	2.1 m

2.4 DOMINANT OCCUPANT CHARACTERISTICS

Dominant occupant characteristics are based off the design occupant groups and are summarised in Table 7. These characteristics will influence the response of occupants in a fire scenario.

Table 7 – Dominant Occupant Characteristics of Design Occupant Groups.

Characteristic	Description
Distribution	Building occupants are expected to comprise of staff and infrequent escorted visitors and maintenance personnel. Children are not expected to be present.
State / Activity	The building is a place of employment and staff are expected to be conscious, awake, and sober. Occupants are expected to be alert and aware of their surroundings. Occupants in Data Halls and Plant Rooms are expected to be in a noisy environment. Occupants in other areas are not expected to be in a noisy or otherwise significantly distracting environment.
Physical attributes and level of assistance required	A minority of occupants may not be fully mobile and may require assistance evacuating. The majority of occupants are expected to be fully mobile, not require assistance when evacuating, and be able to provide assistance to others in an evacuation event.
Mental attributes	A minority may have difficulty recognising visual or audible alarm cues, understand evacuation instructions, evacuate in an orderly manner, or have the ability to make and implement decisions independently. The minority may require assistance evacuating. The majority of occupants are expected to recognise fire alarm cues, take instructions, and evacuate in an orderly and independent manner. The majority of occupants are expected to provide assistance to occupants who may not be able to independently respond to a fire scenario.
Level of assistance required / available	The level of assistance required by the minority of occupants to evacuate is expected to be limited. The building is generally expected to be fully occupied during working hours, and therefore adequate evacuation assistance is expected to be available where required.
Emergency training	Occupants are not expected to be formally trained to act in an emergency event or use fire suppression equipment. However, CDC operations staff are trained in the use of portable fire extinguishers in response to an event where pre-alarm thresholds are detected by the aspirating smoke detection system. Additionally, a basic level of response is expected, including an understanding of and response to occupant warning system tones, evacuation instructions, and exit signage.
Familiarity with the building	The building is the place of employment for the majority of occupants, who are therefore expected to be familiar with the building and paths of travel to exits. The minority of occupants who may not be familiar with the building are expected to follow the majority and therefore be able to evacuate in a similar manner.

3 PRELIMINARY FIRE SAFETY STRATEGY

The preventative and protective measures identified to address potential fire hazards form part of the Fire Safety Strategy proposed to demonstrate compliance with the BCA Performance. Items not specifically addressed in the Fire Safety Strategy are expected to comply with the DtS Provisions of the BCA.

The Preliminary Fire Safety Strategy will be subject to change as the design develops during future design phases.

All elements of the strategy shall be considered Essential Safety Measures for the life of the building.

3.1 FIRE RESISTANCE LEVELS

Building elements are generally proposed to comply with the fire compartmentation requirements of the BCA DtS Provisions for Type A fire-resisting construction. However, it is proposed to rationalise FRL requirements to a minimum of 120/120/120 for load bearing elements and -/120/120 for non-loadbearing elements in lieu of 240/240/240 and -/240/240, respectively.

A 2 hour FRL has been adopted as a minimum benchmark for the building fire compartmentation and shall be utilised in the Fire Safety Engineering analysis. The Fire Safety Engineering analysis may identify a lower minimum FRL for a specific compartment as being capable of meeting the intent of the BCA Performance Requirements, however the 2 hour minimum FRL has been adopted for building structural integrity.

It is proposed to adopt 4 hour FRL (240/240/240 for load-bearing elements and -/240/240 for non-load-bearing elements) for bounding construction (i.e., floors, walls, and slab above) of the Battery Rooms to adequately mitigate the risk of fire spread. The 4 hour FRL is proposed to be achieved from the inside the room only, with the other side of building elements required to achieve a minimum 2 hour FRL.

3.2 FIRE COMPARTMENTATION

The building is proposed to incorporate fire compartments with sizes within the limits of BCA DtS Provision C3D3. Fire compartmentation is generally configured as follows:

- Each storey shall be fire separated from other storeys in Class 7b / 8 areas.
- Class 7b / 8 portions of the building shall be fire compartmentalised from Class 5 portions of the building.
- The following rooms within the Class 8 portion of the building shall be fire compartmentalised from the remainder:
 - Circulation Corridors.
 - Combination of Mechanical Services Corridor(s) and Data Hall being served, grouped into a single compartment.
 - Communication Rooms.
 - Sprinkler Valve Rooms.
 - Switchrooms.
 - Battery Rooms or any other rooms containing lithium-ion batteries.

As the use of each room is currently under review, fire compartmentation plans have not been provided. Fire compartmentation plans shall be provided as part of the Performance Based Design Brief.

3.3 FIRE WALLS

All walls required to have a FRL shall generally comprise of tested systems, with the exception of non-structural fire walls also required to act as a security boundary. The subject walls not forming a tested system are proposed to comprise of a lightweight wall system incorporating a 3 mm steel plate (required for security compliance) as shown in Figure 7. The proposed wall system is in accordance with a tested system, with the exception of the steel plate.

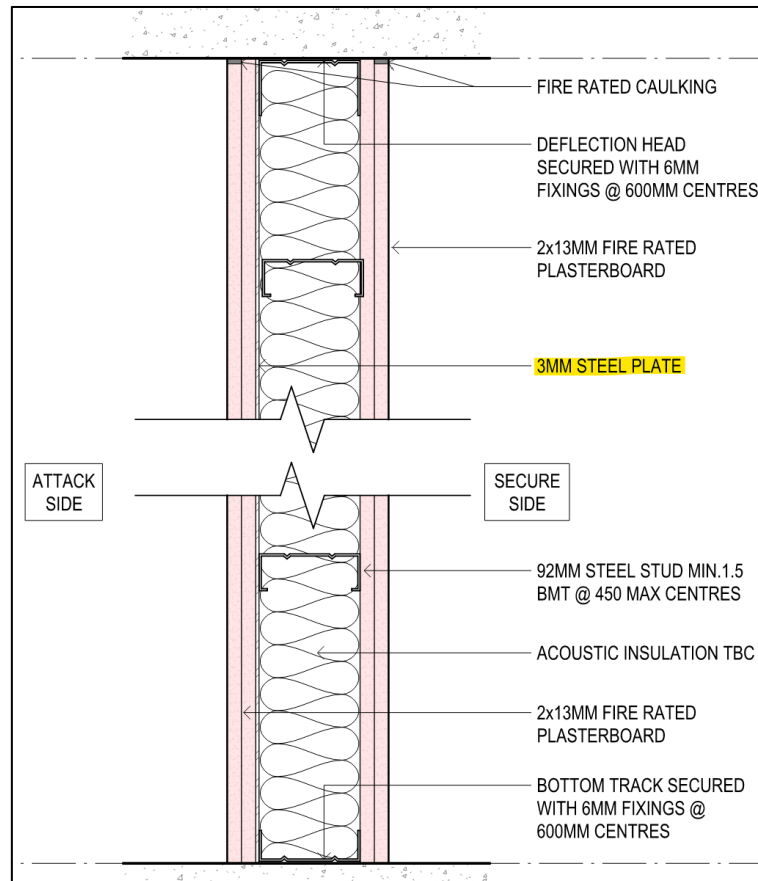


Figure 7 – Non-Structural Fire Wall Incorporating Steel Plate Inconsistent with Tested Systems.

3.4 FIRE DOORS

All fire doors including hardware are understood to comprise of tested systems

Certain fire door types proposed for installation require firebolts to facilitate compliance with AS 1905.1:2015 and AS 1530.4:2014. The requirement for firebolts is determined based on door type, size, and fire rating. Firebolts will activate at 230°C to minimise deflection between the door leaf and door frame, fixing the door in the closed position and preventing the fire door from being used for egress or fire brigade intervention. Firebolts activating at a temperature less than 230°C shall not be permitted for use within the building.

Static signage shall be installed to each fire door incorporating firebolts, fixed to the door leaf (a single leaf) on the side of the door accessible by a Circulation Corridor. Signage shall state “*DOOR CONTAINS FIREBOLTS PREVENTING OPERATION WHEN ACTIVATED – ACTIVATION TEMPERATURE = 230°C*”. The signage shall be mounted at approximately 1.2 m above finished floor level and include capital lettering with a height not less than 50 mm and in a colour contrasting the background. Refer to Figure 8 for a typical example.



Figure 8 – Typical Example of Signage Proposed to Warn Firefighters of Doors Incorporating Firebolts.

The doors fitted with firebolts will generally not be relied on for egress or fire brigade access/intervention, including use for passage of fire hydrant hose. All rooms shall be served by at least one door that does not incorporate firebolts to facilitate occupant evacuation and fire brigade intervention.

As the use of each room and associated door sizes and locations are currently under review, plans depicting the locations of doors containing firebolts have not been provided. These plans shall be provided as part of the Performance Based Design Brief.

3.5 PROVISIONS FOR ESCAPE

Egress provisions for the building is summarised as follows:

- Multiple fire doors serving fire compartment boundaries are available to egressing occupants throughout the building.
- Building discharge points are available around the perimeter of the building to occupants egressing from Ground Floor.
- The building is proposed to be served by 6off external stairways in lieu of fire-isolated exits (as defined in BCA DtS Provision D2D13). The stairways serve floors from Level 1 to Level 3 of the building and extend to the Roof and Chiller Deck Levels, discharging at various points around the perimeter of the building on Ground Floor. The Building Surveyor shall confirm whether the requirements of BCA DtS Provision D2D13 are complied with and/or whether fire-isolated stairways are required.
- The building is proposed to be served by 2off internal stairways (1off fire-isolated and 1off non-fire-isolated stairway) within the Class 5 areas which interconnect Ground Floor – Level 3.

Exit travel distances shall be measured in accordance with the BCA DtS requirements and consideration of Security Zones, where an occupant cannot pass from a lower Security Zone to a higher Security Zone.

Exit travel distances are proposed to exceed the limitations prescribed in the BCA DtS Provisions with respect to maximum distance to an exit, maximum distance to a point of choice where at least two different exits are available, and the maximum distance between alternative exits. As the use of each room and associated door locations are currently under review, plans depicting exit travel distances have not been provided. These plans shall be provided as part of the Performance Based Design Brief.

3.6 FIRE HYDRANT SYSTEM

The building and adjacent external generator structure shall be served by a fire hydrant system. The building is proposed to have a volume exceeding 108,000 m³ and is therefore considered outside of the scope of AS 2419.1:2021 and must be the subject of a Performance Solution. The fire hydrant system is generally proposed to comply with the requirements of AS 2419.1:2021 (despite volume exceeding 108,000 m³) with the exception of the following:

- Coverage from internal fire hydrant outlets is proposed to be achieved through 2 hose lengths (60 m hose + 10 m spray) in lieu of 1 hose length (30 m hose + 10 m spray) required by Clause 3.6.1 of AS 2419.1:2021.
- Coverage from external fire hydrant outlets located less than 50 m from a hardstand and serving a sprinkler-protected building is proposed to be achieved through 3 hose lengths (90 m hose + 10 m spray) in lieu of 2 hose length (60 m hose + 10 m spray) required by Clause 3.5.3.3 of AS 2419.1:2021.
- Coverage from internal fire hydrants outside of fire-isolated stairs is permitted to cross fire compartment boundaries. This is a departure from Clause 3.7 of AS 2419.1:2021, which requires each fire compartment within a building to contain a fire hydrant, unless covered by external fire hydrants or hydrant within a fire-isolated exit.
- The fire brigade booster assembly is proposed to be located adjacent the fire water infrastructure (pumps and tanks) at the site exit within proximity of the BK3 Building in lieu of the future primary site entrance (refer Figure 9).

Fire hydrant coverage is proposed to be provided with a combination of internal and external fire hydrant outlets, generally located within fire isolated stairways and adjacent external access points, respectively. Additional fire hydrants shall be provided within Circulation Corridors as required to facilitate coverage.

Signage shall be located at the site fire brigade booster assembly, Fire Control Centre, fire detection control and indicating equipment (FDCIE, i.e. fire panel), and at each fire hydrant to identify areas of the building require additional hose lengths. The signage shall be a permanent, fade resistant and weatherproof sign and utilise capital lettering with a height not less than 25 mm and in a colour contrasting the background. Signage shall state "ADDITIONAL LENGTH OF FIRE FIGHTING HOSE IS REQUIRED TO REACH ALL AREAS FROM INTERNAL AND EXTERNAL HYDRANTS" or equivalent.

As the location of fire hydrants and the locations of room doors are currently under review, plans depicting fire hydrant coverage have not been provided. These plans shall be provided as part of the Performance Based Design Brief.

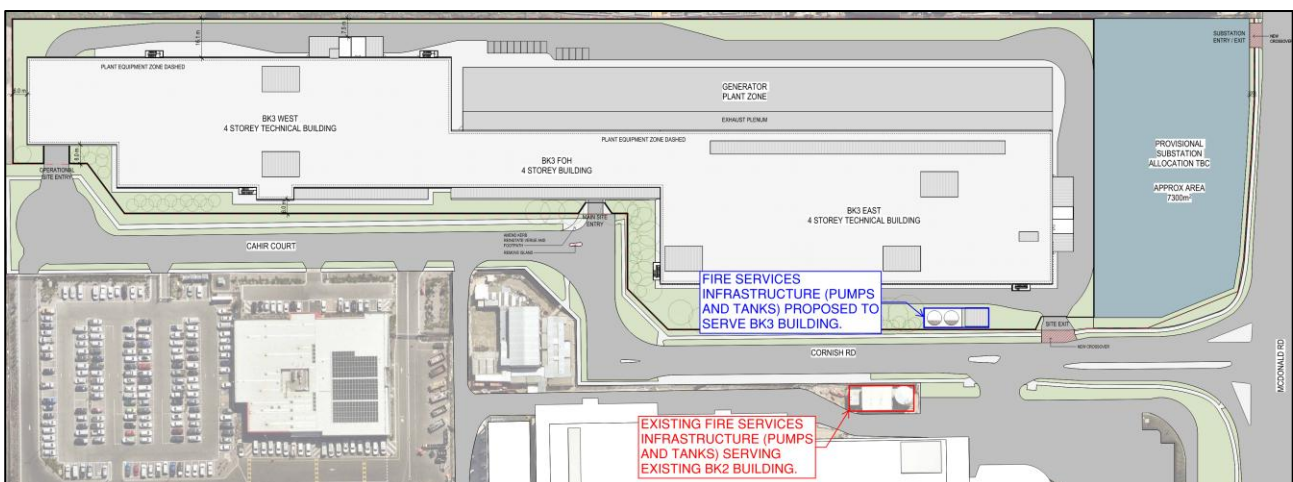


Figure 9 – Depiction of Proposed Fire Water Infrastructure Location Relative to DtS Arrangement.

3.7 AUTOMATIC FIRE SUPPRESSION SYSTEMS

The building shall be served by an automatic fire sprinkler system complying with AS 2118.1:2017 and BCA Specification 17 with the exception of the following:

- Sprinklers are proposed to be provided in IT Switchrooms containing high voltage equipment in accordance with FM Global Property Loss Prevention Data Sheet 5-32 - Data Centres and Related Facilities (FMDS 5-32). High voltage equipment is generally limited to switchgear and dry type transformers. Signage shall be provided at the entrance to each IT Switchroom to warn occupants and firefighters of the presence of high voltage equipment. Signage shall be a permanent, fade resistant and weatherproof sign and utilise capital lettering with a height not less than 25 mm and in a colour contrasting the background. Signage shall state “DANGER – RISK OF ELECTROCUTION - HIGH VOLTAGE EQUIPMENT WITHIN ROOM THAT IS SPRINKLER-PROTECTED” or equivalent.
- Sprinkler control valves located in Sprinkler Valve Rooms that do not have direct egress to a road or open space.
- Pre-action sprinkler system serving operational Data Hall(s) is activated by a smoke detection system not compliant to the requirements of AS 1670.1:2018. The smoke detection system is designed in accordance with FM Global Data Sheet 5-32 and does not incorporate detection within concealed spaces and below the slab in Mechanical Services Corridors. Smoke detection is instead provided at louvres separating the Data Halls and Mechanical Services Corridors.
- Pre-action sprinkler system is proposed to utilise black mild steel pipework (as per AS 1074:1989) charged with nitrogen in lieu of galvanised steel pipework charged with compressed air. To ensure the appropriate measures pertaining to the use of black mild steel and corrosion prevention described in FM Global Property Loss Prevention Data Sheets (FMDS) are adopted, the pipework system design, installation, commissioning, testing, and maintenance program is proposed to comply with the following relevant aspects of the applicable FMDS:

FM Global Property Loss Prevention Data Sheet 2-0 Interim Revision January 2024 – Installation Guidelines for Automatic sprinkler Systems (FMDS 2-0)

- General Requirements – Clause 2.1.3.5, Clause 2.2.1.10, and Clause 2.2.1.11.
- Pre-action Sprinkler System – Clause 2.2.4.3.
- Sprinkler System Component – Clauses 2.3.4 and 2.3.7.
- Sprinkler System Piping – Clause 2.4.1.1.2, Clause 2.4.1.1.3.1, Clause 2.4.1.1.4, and Section 2.4.2.

FM Global Property Loss Prevention Data Sheet 2-1 Interim Revision July 2022 – Corrosion in Automatic sprinkler Systems (FMDS 2-1)

- Operation and Maintenance – Above Ground Pipework – Clause 2.2.1.1, Clause 2.2.1.2, Clause 2.2.1.5, Clause 2.2.1.6, Clause 2.2.1.7, Clause 2.2.1.8, Clause 2.2.1.10, and Clause 2.2.1.11.

FM Global Property Loss Prevention Data Sheet 2-81 Interim Revision January 2024 – Fire Protection System Inspection, Testing and Maintenance (FMDS 2-81)

- Inspection, Testing, and Maintenance Programs – Clause 2.2.3.
- Automatic Fire Sprinkler Systems – Clause 2.5.1.2.6 and Table 2c Items 1-17.
- Fire Services Mains – Clause 2.8.1 and Table 6.

Data Halls, Mechanical Services Corridors, Communication Rooms, Low Voltage Switchrooms, IT Switchrooms, Battery Rooms, and any other areas containing sensitive equipment (as determined by CDC) are proposed to be provided with pre-action automatic fire sprinkler suppression. This configuration is proposed due to the risk of water damage to equipment that might result from damaged automatic sprinklers or piping. Pre-action automatic fire sprinkler protection shall extend to both above and below ceiling areas. Pre-action sprinkler systems shall be configured such that the control valve shall open and charge the system with water only in the event of both sprinkler head and smoke detector activation. Conventional wet type automatic fire sprinkler protection is proposed to serve all other areas.

Automatic fire sprinkler protection shall be provided to all Switchrooms including those containing high-voltage energised electrical equipment, except Utility Switchrooms. Fire rated construction and minimised compartment volumes shall be introduced to manage the potential fuel load within a single compartment.

Fast response sprinkler heads with an activation temperature of 68°C shall be utilised throughout the building, except the activation temperature may be increased for areas of high ambient temperature in accordance with AS 2118.1:2017.

Supplementary hybrid (nitrogen and water) fog type automatic fire suppression systems may be provided to data centre modules (aka POD Type Data Halls) where required by Data Hall tenant (CDC's client). Hybrid suppression may be provided on an as-required basis and is considered supplementary to the Fire Safety Strategy but included for information only. If provided, the hybrid suppression system serving a POD is activated independently, with the system designed for activation of a single POD fire. Each POD provided with hybrid suppression shall be provided with an independent solenoid valve control panel and connected to common nitrogen and water storage.

The hybrid automatic fire suppression system is a product that utilises nitrogen to atomise water at the discharge head, with operation similar to a conventional water mist system. Due to the nitrogen mixing occurring at discharge, the system is efficient at fire suppression and non-wetting, therefore, suitable for use in environments containing energised electronic equipment. The systems shall be FM approved water mist fire protection systems in accordance with the requirements of AS 4587:2020 and NFPA 770.

The means for activating hybrid automatic fire suppression systems is dependent on the asset protection requirements of the POD but shall generally comprise one or more of the following methods:

- Automatic activation following receipt of a fire signal from the aspirating smoke detection system. This activation may be subject to a pre-programmed time delay.
- Manual activation at the POD. Localised push-button facilities shall be provided at each protected POD to allow for manual operation and isolation of the hybrid automatic fire suppression system.

Refer to Figure 10 for a simplified representation of how the fire suppression systems are arranged to serve POD Type Data Halls.

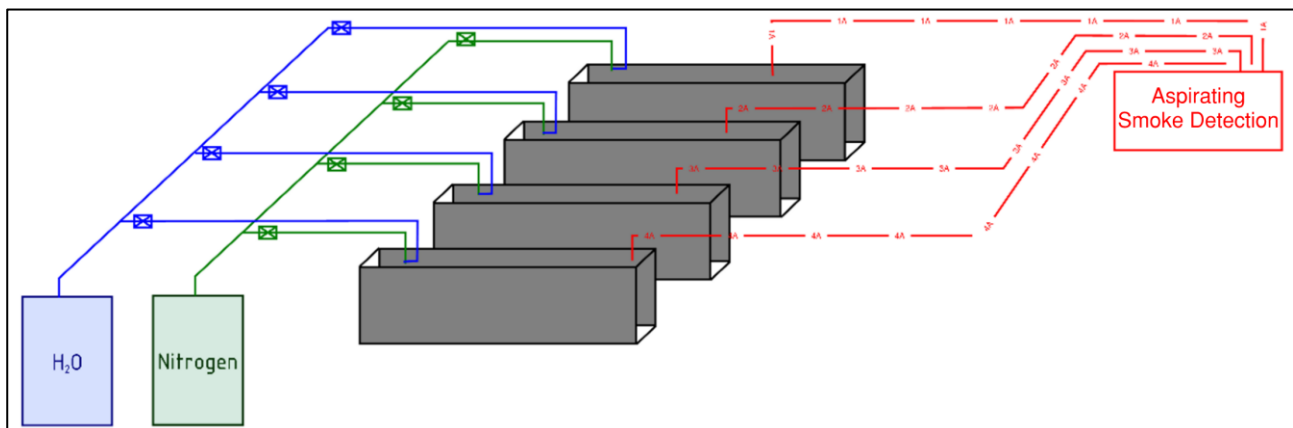


Figure 10 – Simplified POD Module Fire Detection and Suppression Arrangement.

Localised push-button facilities shall be provided at each protected POD to allow for manual operation and isolation of hybrid automatic fire suppression system. Visual warning signage shall be installed external to a POD Data Hall to indicate hybrid automatic fire suppression system status with signage stating "SYSTEM INOPERATIVE" to be illuminated upon isolation of the suppression systems.

3.8 PORTABLE FIRE EXTINGUISHERS

Portable fire extinguishers are proposed to be provided throughout in accordance with AS 2444:2001. Additional portable fire extinguishers are proposed to be provided in lieu of the provision of a fire hose reel system.

All areas of the building shall be located within 15 m of a 4.5 kg dry chemical ABE type portable fire extinguisher, or a 5 kg carbon dioxide type portable fire extinguisher. A 4.5 kg dry chemical ABE type portable fire extinguisher shall be located within 4 m of each required exit.

3.9 FIRE CONTROL CENTRE

The location of the Fire Control Centre is yet to be determined. The Fire Control Centre shall contain the main FDCIE and building details and drawing documentation to support fire brigade operations for the site, inclusive of Tactical Fire Plans.

Additional signage shall be provided at the Fire Control Centre to notify the fire brigade of the following:

- Presence of battery ESS. Signage shall be installed stating: *"LITHIUM-ION BATTERY ENERGY STORAGE SYSTEMS PRESENT WITHIN DATA CENTRE BUILDINGS"*. The signage shall utilise capital lettering, not less than 50 mm, in a colour contrasting the background. Plans reflecting the location and capacity of the battery ESS shall be included in the Fire Control Centre.
- Requirement for the attending fire brigade to utilise additional hose lengths for adequate fire hydrant system coverage. Refer to Section 3.6 for details.
- Presence of firebolts that will activate at 230°C, preventing certain fire doors from being used for fire brigade intervention. Signage shall be installed stating: *"DOORS CONTAINING FIREBOLTS PREVENTING OPERATION WHEN ACTIVATED PRESENT WITHIN DATA CENTRE BUILDINGS – ACTIVATION TEMPERATURE = 230°C"*. The signage shall utilise capital lettering, not less than 50 mm, in a colour contrasting the background. Plans reflecting the location of doors containing firebolts shall be included in the Fire Control Centre.
- Requirement for firefighters to wait for power isolation prior to undertaking firefighting activities. Signage shall be installed stating: *"FIRE BRIGADE TO WAIT FOR LOCALISED POWER ISOLATION PRIOR TO UNDERTAKING FIREFIGHTING ACTIVITIES"*. The signage shall utilise capital lettering, not less than 50 mm, in a colour contrasting the background. Plans reflecting the location of doors containing firebolts shall be included in the Fire Control Centre.
- Presence of sprinkler-protection within IT Switchrooms containing high voltage equipment. Signage shall be installed stating: *"DANGER – RISK OF ELECTROCUTION - HIGH VOLTAGE EQUIPMENT WITHIN IT SWITCHROOMS THAT ARE SPRINKLER-PROTECTED"*. The signage shall utilise capital lettering, not less than 50 mm, in a colour contrasting the background. Plans reflecting the location of sprinkler-protected rooms containing high voltage equipment shall be included in the Fire Control Centre.

3.10 AUTOMATIC FIRE DETECTION AND ALARM SYSTEM

The building is not required to be served by automatic fire detection and alarm system in accordance with the BCA DtS provisions. However, an addressable and monitored automatic fire detection and alarm system is proposed to be provided throughout the building in accordance with AS 1670.1:2018 except as detailed within this section of the report, exceeding the BCA DtS Provisions. The building's FDCIE shall be networked back to the site master FDCIE located in the site Fire Control Centre.

All areas of the building required to be provided with fire detectors in accordance with AS 1670.1:2018 shall be served by multi-point aspirating smoke detection systems generally complying with AS 1670.1:2018, except for the following:

- Point type fire detection is proposed to be utilised within the following areas:
 - Office areas.
 - Amenities Areas.
 - Sprinkler Valve Rooms.
 - Store Rooms.
 - Loading Dock.
 - Bin Rooms.
 - Pump/Plant Rooms.
- Smoke detection is proposed to be omitted from lift shafts and concealed spaces above office areas (fire detection provided by sprinkler heads serving lift shafts and office area concealed ceiling spaces).

- Smoke detection in operational Data Halls is proposed to be limited to the underside of the ceiling throughout all cold aisle areas and in the ceiling space hot air return plenum at the louvre junction that separates the Data Hall ceiling space from the Mechanical Services Corridor in accordance with FMDS 5-32 as illustrated in Figure 11. Air sampling points installed at the junction that separates the Data Hall ceiling space from the Mechanical Services Corridor shall be located so that each sampling point covers a maximum louvre opening area of 0.4 m². Smoke detection will not be provided within the hot aisle areas, the above ceiling air plenum space (except at the louvre junction separating the Data Hall from the Mechanical Services Corridor) and below the slab within the Mechanical Services Corridor. The detection at louvres is considered to be more effective in early detection of smoke in high airflow environments when compared with detection at concealed spaces and below the slab within the Mechanical Services Corridor. This is understood to be due the louvre area being the only air pathway for circulation between the Mechanical Services Corridor and Data Hall, high volume of air circulating through the louvre area, and the high concentration of detectors present within the louvre area.

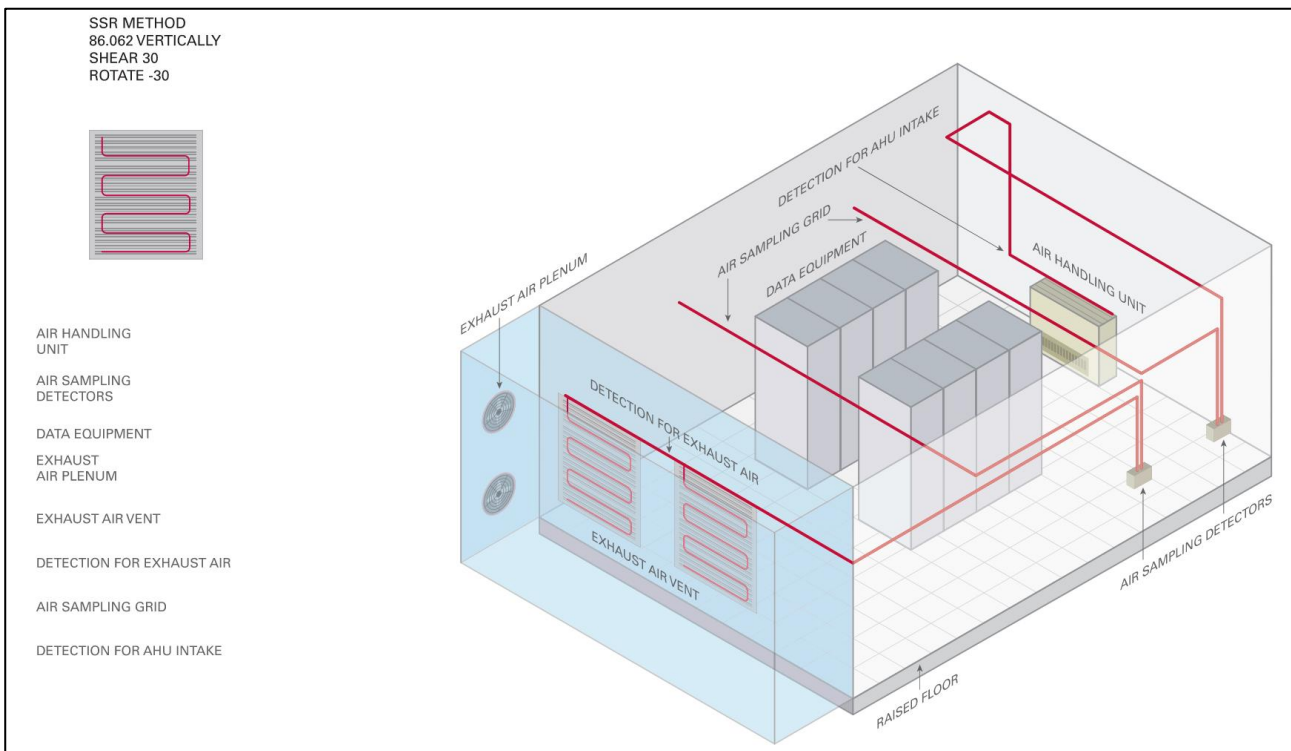


Figure 11 – Extract from FMDS 5-32 – Illustration of Data Hall Return Air Smoke Detection Arrangement.

All aspirating smoke detection systems installed within areas of high airflow shall be designed in accordance with technical design documents prepared by the system manufacturer associated with areas of high airflow.

The aspirating smoke detection system serving the Data Hall spaces is proposed to notify the security personnel upon reaching Fire 1 threshold and activate the general building alarm subject to the Alarm Verification Facility (AVF) described below. Fire 1 threshold shall be set such that minimum obscuration level of 1.5 %/m is achieved at the least sensitive sampling point.

Data centre modules (PODs) shall be provided with aspirating smoke detection as illustrated in Figure 10 where separate aspirating smoke detection pipework shall be provided per POD. Each aspirating smoke detection panel shall serve up to four PODs. The sampling pipework serving each POD is provided an independent address to facilitate local suppression discharge (if installed). The sampling points are located within the return air path of the POD in-rack cooling system.

An AVF is proposed to be implemented with a maximum cancellation time of 300 seconds to allow onsite security (present onsite 24/7) to investigate a fire event prior to fire mode activation. Activation of a local alarm at security shall occur to facilitate alarm investigation. A 'Type A Dependency' arrangement is proposed to be implemented in accordance with AS 1670.1:2018, except that the AVF is proposed to be permitted to be applied to fire detectors which are used to activate fire suppression systems. The AVF shall not result in the delay of activation of any fire suppression systems. Manual call points shall not be subject to AVF. Should a second fire detector register the detection of fire, the AVF shall be overridden and building fire mode activation

To ensure the proposed AVF does not result in false delays to activation of the general alarm, all spaces proposed to be provided with smoke detection (except services shafts) shall be served by at least 2 means of smoke detection (2 off point type detectors, or 2 off aspirating smoke detection panels).

An Occupant Warning System (OWS) shall be provided throughout the building in accordance with AS 1670.1:2018. Visual alarm devices shall be provided where ambient sound pressure levels exceed the thresholds prescribed in Clause 3.22.4 of AS 1670.1:2018.

Activation of the fire detection system via manual activation, activation of 2 fire detection devices, or following the 300 second AVF delay after a single fire detector device activation shall result in the following:

- Notification to the fire brigade.
- Occupant warning system activation.
- Signal to the building management systems, access control system, security systems and the like.
- Automatic shutdown of air handling systems required to shutdown in accordance with the BCA DtS Provisions / AS 1668.1:2015.

3.11 AIR HANDLING SYSTEMS

All air handling systems shall comply with the requirements of the BCA DtS Provisions.

Data Halls, Switchrooms, and Battery Rooms are served by 100% outside air supply and return systems during normal conditions.

A Data Hall's 100% outside air supply and return system shall shutdown in the event of a fire detected within the fire compartment housing the Data Hall, or when outside air conditions are not considered favourable. In addition to the 100% outside air supply and return system, Data Halls are proposed to be served by self-contained air handling systems that are active at all times and continue to operate when 100% outside air supply and return system shut down.

Battery Rooms are provided with dedicated outside air make-up and local exhaust systems (i.e. off-gas ventilation system) that serve solely the Battery Room fire compartment. The exhaust systems serving the Battery Rooms continue to run in an event of a fire within the Battery Room.

Switchrooms are provided with outside air supply and return systems that shuts down in an event of a fire, and runs in reticulation mode when outside air conditions are considered unfavourable. In addition to the outside air supply and return systems, the Switchrooms are provided with cooling systems (CRAC units) that reticulate air only within the Switchroom fire compartment and continue to operate in an event of a fire.

The air handling systems do not promote the spread of smoke between compartments during a fire event, as in the event of a fire air is cycled only within the fire compartment to facilitates cooling of the server racks. Provisions for manual isolation shall be available for occupant or fire brigade use as required.

Smoke exhaust or other dedicated smoke management systems are not proposed to serve the building.

3.12 EXIT AND EMERGENCY LIGHTING

Exit and emergency lighting shall be provided throughout in accordance with BCA DtS Provisions E4D2 - E4D8 and AS/NZS 2293.1:2018.

3.13 DIESEL FUEL GENERATORS

The proposed development incorporates diesel fuel generators. Individual enclosures shall be provided for diesel-powered generator with independent diesel storage below. Generator enclosures shall comply with the requirements of AS 1940:2017.

3.13.1 TANK CONSTRUCTION AND VENTILATION

The diesel fuel tanks are in the form of self-bunded 'belly tanks' mounted to the base of the diesel generator engine skid. The tank shall be designed to comply with the construction and ventilation requirements of AS 1657:2018, AS 1692:2006, and AS 1940:2017. Therefore, this assessment does not focus on specific elements associated with the tank construction and provide the design requirements to facilitate installation on site.

3.13.2 TANK FILL POINT

Section 5.3 of AS 1940:2017 provides the requirements for fill connections on storage tanks that are filled from a tank vehicle. In accordance with Clause 5.3.2, the following provisions shall be satisfied for the proposed diesel fuel arrangement:

- The fill point shall be readily accessible.
- The fill point shall be protected from accidental damage.
- The fill point for a tank containing combustible liquid shall be located outside where possible.
- The fill point shall be located such that the tank vehicle is not required to enter the tank compound to make the fuel delivery.
- The fill point shall be clearly identified.
- The areas around the tank fill point and vehicle hose connection point shall be impervious to the product.

Clause 5.3.3 of AS 1940:2017 outlines the requirements for tank liquid level indication.

3.13.3 LOCATION AND SEPARATION REQUIREMENTS

Section 5.7 of AS 1940:2017 outlines the requirements for the separation of above-ground fuel storage tanks. Table 5.3 of AS 1940:2017 specifies the requirements for separation between fuel storage tanks, distances to security fence, and on-site protected places (buildings inside or outside the property boundary). Table 5.4 of AS 1940:2017 specifies the requirements for distances to off-site protected places based on the total volume of stored fuel. An assessment of the proposed diesel fuel storage arrangement with respect to location and separation requirements of AS 1940:2017 has been undertaken to confirm compliance, with the results summarised in Table 8.

Table 8 – Assessment of AS 1940:2017 Location and Separation Requirements.

AS 1940:2017 Requirements	Proposed Arrangement	Assessment Results
Table 5.3 requires a separation distance to other platforms or package storage to be at least 7.5 m.	No other platforms or package storage within vicinity of generator area.	Proposed arrangement meets the requirements of AS 1940:2017.
Table 5.3 requires distances to protected places that are considered 'office buildings, warehouses, manufacturing and processing areas, workshops or amenities blocks on the same premises' to be calculated based on Table 5.4 but not exceed 7.5 m. Considering 76.25 kL of diesel per bulk storage tank, Table 5.4 requires minimum distance of 6.21 m.	Diesel storage tanks are proposed to be located at approximately 8 m from the BK3 Building external wall.*	Proposed arrangement meets the separation requirements of AS 1940:2017.

AS 1940:2017 Requirements	Proposed Arrangement	Assessment Results
Table 5.3 requires a separation distance to a security fence serving an on-site protected place of at least 7.5 m.	Greater than 7.5 m (approximately 22 m) to security fence on allotment boundary.	Proposed arrangement meets the requirements of AS 1940:2017.
Table 5.3 requires a separation distance to platforms within an on-site protected place of at least 7.5 m.	No other platforms within vicinity of generator area.*	Proposed arrangement meets the requirements of AS 1940:2017.
<p>Considering the tanks as horizontal tanks, Clause 5.7.6 of AS 1940:2017 requires a minimum 0.6 m distance between tanks.</p> <p>Considering the tanks are double walled and have integral secondary containment, a spacing of 0.6 m between tanks is also required by Clause 5.9.2 (h) of AS 1940:2017.</p>	Approximately 2 m distance between diesel storage tanks.	<p>The distance between tanks meets the requirements of AS 1940:2017 based on the following:</p> <ul style="list-style-type: none"> The proposed fuel storage tanks most resemble the horizontal tank arrangement which requires a 0.6 m distance between tanks. The proposed fuel storage tanks are considered to have integral secondary containment which requires a 0.6 m distance between tanks.
Table 5.4 requires the distance to off-site protected places to be at least 6.21 m.	Greater than 7.5 m (approximately 26 m) to off-site protected places.	Proposed arrangement meets the requirements of AS 1940:2017.

*The Generator Structure and the common chimney are not considered on-site protected places under the definition of AS 1940:2017 and therefore are not considered as part of the separation distance assessment.

3.13.4 SUPPORTING STRUCTURE

The external generator structure is proposed to comply with the supporting structure requirements of Clause 5.11.2 of AS 1940:2017. This requires any supporting structure between the foundation and the tank to comply with the following:

- Any supporting structure, or ancillary structure used to provide rigidity, shall be made wholly of non-combustible material.
- Any metallic support that is more than 1 m high and supports a tank having a capacity greater than 10,000 L of combustible liquid, shall be protected by material having an FRL of at least 120/120/120.
- The structure shall be designed according to the requirements of the Australian Standard applicable to the particular construction (e.g. AS 4100:2020 for steel and AS 3600:2018 for concrete).
- The design shall take account of the total mass of the tank when full of either water or product, whichever is the greater, any wind loading, any possible uplift loading on restraining connections, and any likely seismic loading (refer to AS 1170.4:2007). Any such anchorage shall be designed to overcome the maximum anticipated buoyancy force.

The support structure is not required to have an FRL under AS 1940:2017 as the 76,000 L diesel fuel storage tanks are located at Ground Level, and the Level 1 generator day tanks each have a capacity of 250 L (less than 10,000 L). However, the Generator Structure and associated common chimney structure shall comply with the other requirements of Clause 5.11.2 of AS 1940:2017.

3.13.5 FIRE SERVICES AND EQUIPMENT

Section 11 of AS 1940:2017 sets out the minimum requirements for fire protection system. Section 11.3 of AS 1940:2017 describes the general requirements for fire protection equipment and states that tanks within the boundary of a single property may be treated as separate storages for the purpose of determining total fire protection requirements, provided that all parts of the total storage are physically separated from each other by at least the distance given in Table 5.4 of AS 1940:2017. Table 5.4 of AS 1940:2017 requires 6.21 m separation for storage tanks serving double-stacked generators. Considering distance between storage tanks of 2.1 m is proposed, storage tanks serving generators adjacent the building shall be treated as a group of tanks in accordance with requirements of Section 11.3 of AS 1940:2017.

Considering the aggregate capacity of diesel storage tanks of 2,897,500 L, Section 11.13 of AS 1940:2017 is utilised to set the minimum fire protection requirements as this Section outlines the minimum fire protection requirements for above-ground tank storage of aggregate capacity of 2,000 m³ and greater. To satisfy compliance with this section, the following measures shall be provided:

- Sufficient hydrants to reach all parts of the compound. Note, considering Section 11.13.7 of AS 1940:2017 (requirements for when only combustible liquids are stored) is not specific with respect to fire hydrant requirements such as flow and water supply, compliance of fire hydrant system in accordance with AS 2419.1:2021 is considered appropriate. Fire hydrant coverage to all parts of the compound shall be achieved in accordance with requirements of AS 2419.1:2021.
- One powder-type extinguisher per tank, with a minimum of three powder-type extinguishers for the storage area, strategically located around the storage. It is recommended to provide 9 kg powder type portable fire extinguishers having rating of 2A 60B(E) in accordance with AS/NZ 1841.5:2007, AS 4265:1995, AS 1850:2009, and AS 2444:2001 as applicable.
- A fire alarm system shall be provided in accordance with AS 1670.1:2018 and AS 1603.5:1996 including:
 - Any automatic system shall be capable of being manually activated at clearly identified positions. It is understood no automatic fire systems are present other than the fire detection and alarm system which is activated manually via the use of manual call points.
 - The warning signal of the alarm system shall be sufficiently distinguishable from other signals to permit ready recognition, and shall be clearly audible throughout the whole installation, unless it can be demonstrated that audibility over a limited area is justified. Note, visual alarm devices should be considered in areas of excessive noise.
 - The power supply for any alarm system shall be independent of the main electricity isolating switch for the area.
 - Any mandatory fire alarm systems shall be connected to a fire station nominated by the relevant fire authority or 24 h monitoring service. The latter shall immediately notify the nominated fire station in the event of the fire alarm being activated.
 - Manual alarm call points shall be located at convenient and safe locations near work stations.

3.13.6 REFERRALS AND NOTIFICATIONS

Significant quantities of Dangerous Goods can trigger the requirement for referrals and notifications when seeking planning approvals for development.

We have assessed the diesel fuel arrangement against the *Victoria Planning Provisions Planning Scheme* and have determined referral to WorkSafe and Fire Rescue Victoria (in the form of Application for Written Advice) is required. This requirement is due to the quantity of diesel fuel exceeding the 100,000 L threshold of C1 liquid prescribed in the *Dangerous Goods (Storage and Handling) Regulations 2022 (VIC)*.

We have determined that the *Victoria Planning Provisions Planning Scheme* introduce the requirement for a detailed assessment by Environment Protection Authority Victoria. The requirement for this assessment is based on the threshold defined in the *Victoria Planning Provisions Planning Scheme* as 'Storage of petroleum products and crude oil in tanks exceeding 2,000 tonnes capacity.' This threshold is proposed to be exceeded and therefore consideration of this referral is required.

3.14 LITHIUM-ION BATTERY ENERGY STORAGE SYSTEMS

The proposed development incorporates lithium-ion battery ESS, with the majority of batteries being confined to battery racks in Battery Rooms. However, decentralised systems are also proposed to be implemented within Data Halls.

The special hazards presented by lithium-ion battery ESS are proposed to be addressed through fire compartmentation, use of tested and certified battery systems, active fire protection, off gas detection, and ventilation.

3.14.1 BATTERY ROOMS

The locations of Battery Rooms and quantity of battery racks per room are yet to be confirmed. Plans depicting this information shall be provided as part of the Performance Based Design Brief.

Each proposed battery rack (limited to Battery Rooms only) contains 17 battery modules, and each battery module contains 8 battery cells (total of 136 battery cells per battery rack) as illustrated in Figure 12.

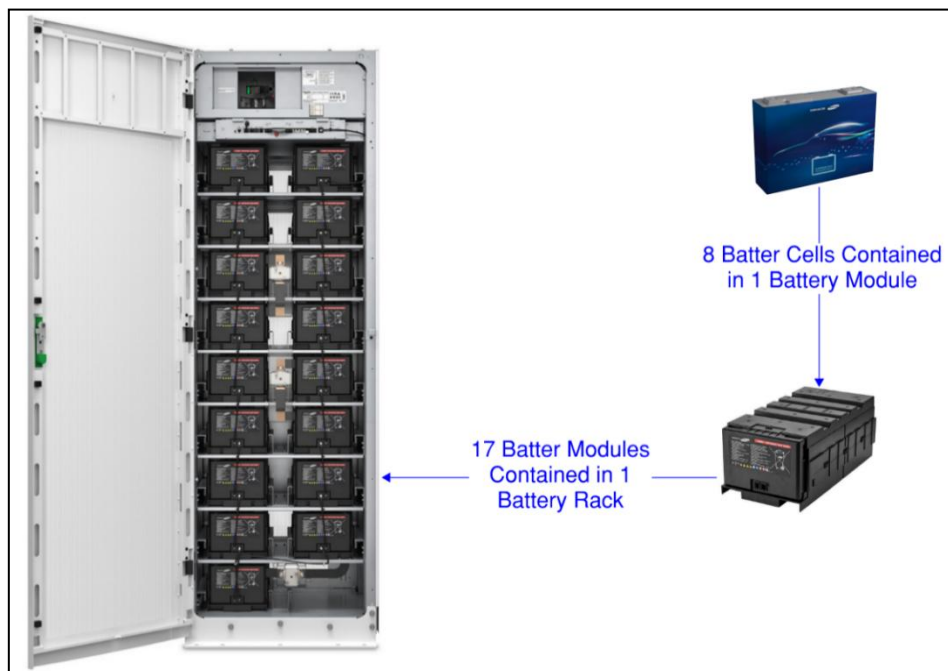


Figure 12 – Illustration of Battery Rack Composition.

BATTERY CELL DESIGN

The battery cells utilised in the battery ESS are Samsung CM0630R002+ prismatic cells, where the '+' stands for different models that are all tested and certified in accordance with UL 1642. The cells are each rated at 3.8 V / 67 Ah.

The material safety data sheet (MSDS) for the Samsung battery cell states that cold water and dry powder are both suitable extinguishing media. Therefore, the application of automatic fire sprinkler protection or manual portable fire extinguisher suppression are both considered adequate.

Each cell shall be protected via the following inherent safety measures as illustrated in Figure 13:

- Safety function layer designed to prevent short-circuit between the cathode and the anode should the electrolytic pyrolyse and elevated temperatures be realised.
- Multi-layered separator designed to prevent overcharging by blocking lithium-ion transfer within the cell should the electrolytic pyrolyse and elevated temperatures be realised.
- Sacrificial vent which allows pressure to be released should the electrolytic start to pyrolyse. Once the cell has vented, it will no longer be operational, mitigating the risk of continued damaged cell operation.
- Safety fuse to prevent short-circuit, designed with a cut-off condition of 2,500 A at 1 second.
- Overcharge safety device to prevent overcharging in a cell by forced external short-circuit and fuse melting, designed to cut-off and prevent arc at overpotential.

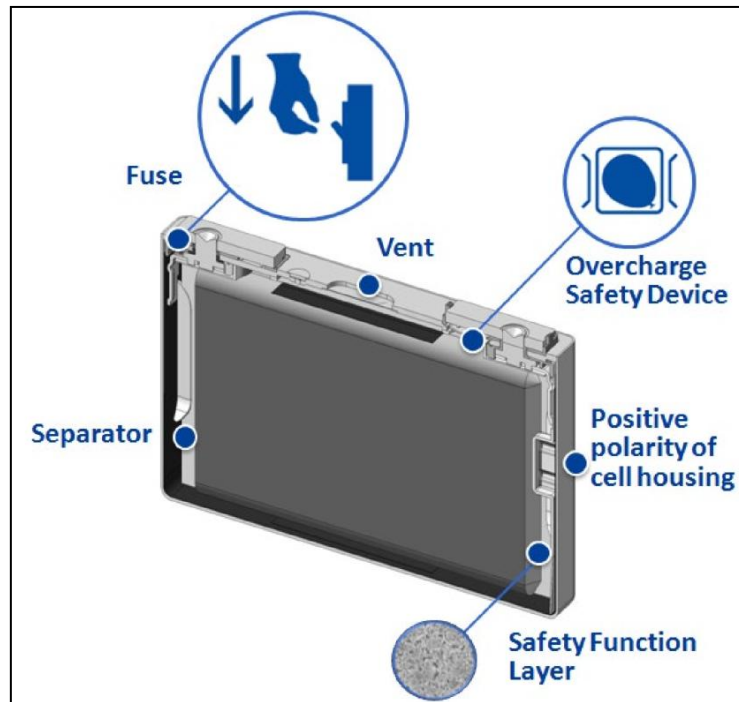


Figure 13 – Illustration of Battery Cell Inherent Safety Measures.

BATTERY MODULE DESIGN

The battery cells utilised in the battery ESS are Samsung EM2031AE00XA or EM2031AE00YA modules, where the 'X' and 'Y' stand for different models that are all tested and certified in accordance with AS IEC 62619 and UN 38.3.

Each battery module has a mass of 16.5 kg and a size of 216 mm (W) x 404.5 mm (D) x 163 mm (H).

Each battery module shall be protected via the following inherent safety measures as illustrated in Figure 14:

- The external casing of the module consists of a fire and impact resistant plastic.
- Internal compressed polymeric sheet embedded with Novec 1230 capsules.
- Internal cabling can support a relative high current of 470 A.
- Each battery cell is separated from the adjacent battery cell by 4 mm of physical space.
- The module is fitted with an insulated cover to conceal power cable connections.

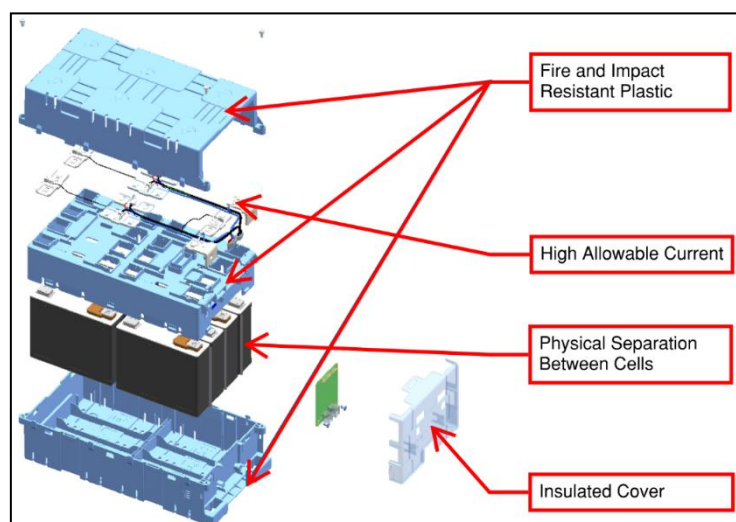


Figure 14 – Illustration of Battery Module Inherent Safety Measures.

BATTERY RACK DESIGN

The battery racks utilised in the battery ESS are tested and certified in accordance with UL 1973, UL 9540A, and AS IEC 62619. Each rack is rated at 516.8 V and 34.6 kWh and has a mass of 490 kg and a size of 650 mm (W) x 587 mm (D) x 1,970 mm (H). The proposed battery racks are of Samsung manufacture, consisting of the following models:

- LIBSESMG10IEC.
- LIBSESMG13IEC.
- LIBSESMG14IEC.
- LIBSESMG16IEC.
- LIBSESMG17IEC.
- LIBSESMG10UL.
- LIBSESMG13UL.
- LIBSESMG14UL.
- LIBSESMG16UL.
- LIBSESMG17UL.

Each battery rack is provided with multiple interconnected battery modules to provide the required energy output. The modular structure of the battery module and battery rack provides multiple layers of hazard separation, reducing the likelihood of a large scale fire. The modular nature of the battery rack design allows for a damaged battery module to be removed without the requirement to replace the whole rack.

UL 9540A TEST REPORT RESULTS AND EVALUATION

The UL 9540A test report for the proposed battery ESS was made available for review for the purposes of assessing the risk of fire and explosion presented by the proposed battery ESS located within Battery Rooms. The test was undertaken on a Samsung LIBSESMG17UL battery rack and is stated by the Underwriters Laboratory as being representative of the other proposed battery rack models.

The test arrangement consists of four racks, where three target racks are abutting an initiating rack, configured as per the illustration presented in Figure 15. An initiating cell within the initiating rack was abused while all battery management systems disabled at the cell, module, rack, and system level. Initiation was via external heating of the initiating cell using a thin film applied to the external wall of the cell to achieve an increase in temperature. No active fire suppression systems were utilised as part of the test.

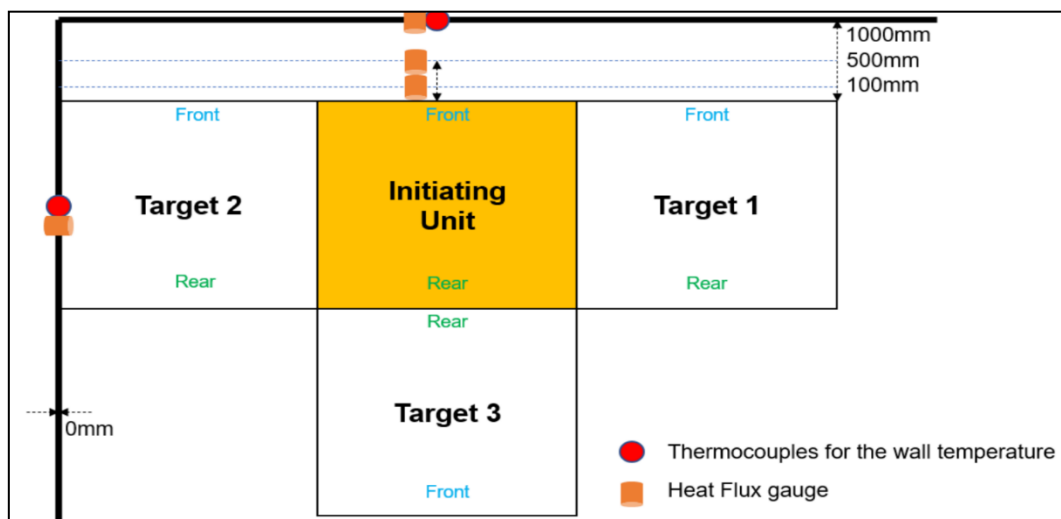


Figure 15 – Illustration of the UL 9540A Test Arrangement.

Thermal runaway was initiated in a single module. Key outcomes of the test UL 9540A test are summarised as follows:

- The observed average cell surface temperature of the initiating cell at venting was 160°C and at thermal runaway was 167°C, occurring during the 33rd minute and 59th minute, respectively. Adjacent cells were observed to be venting during the 82nd minute and 91st minute.
- Thermal runaway propagation was observed between cells within the same module. However, no propagation between modules or between racks was observed.
- The maximum instantaneous temperature observed at the target racks was observed to be 38°C, which is less than the temperature at which cell venting at the initiating cell was observed.
- External flaming from the battery module was observed. However, no flaming external to the rack was observed.
- The maximum temperature of the external wall of the initiating rack, averaged over 60 seconds, was observed to be 23°C.
- No re-ignition within the module was observed.
- The initiating battery module was observed to have a peak HRR of 81 kW. As the majority of the energy released from a cell did not occur concurrently with the energy release from an adjacent cell, this peak HRR is expected to be the peak HRR for a battery cell. Based on the peak HRR range of 110 W/Wh - 490 W/Wh observed in the Larsson experiments and 254 Wh rating of an individual cell (as per MSDS), the theoretical peak HRR range is 27.94 kW - 124.46 kW expected. The observed peak HRR of 81 kW falls within this range.
- The maximum instantaneous heat flux observed on a target rack was 10.62 kW/m². However, the maximum heat flux averaged over 60 seconds observed on a target rack was 0.38 kW/m².
- The maximum heat flux observed on the egress path (1 m space between racks and adjacent wall) was observed to be 0.13 kW/m², only 10% of the 1.3 kW/m² failure criteria.
- The gas volume excreted by the initiating cell was observed to be 113 L, with a total observed gas volume excreted from the module of 698 L. The lower flammability limit (LFL) of the off gas as a percentage volume of air was recorded to be 6.7%. Key gases emitted in the off-gas mixture were observed to be carbon dioxide (40.07%), hydrogen (25.65%), carbon monoxide (16.04%), methane (5.58%), ethylene (5.29%), and propylene (4.70%), with all other gasses each contributing less than 1.3% of the mixture.

Explosion hazards were not observed, including deflagration, detonation, or accumulation (to within the flammability limits in an amount that can cause deflagration) of battery vent gasses.

BATTERY MANAGEMENT SYSTEM

A module level battery management system is installed within each battery module to measure cell voltage and cell temperature. A trip signal will be registered and trip the battery rack breaker in the following scenarios:

- Cell over-voltage event (exceeds 4.28 V over 5 seconds).
- Cell under-voltage event (drops below 2.5 V over 3 seconds).
- Cell over-temperature event (exceeds 75°C over 3 seconds).

A rack level battery management system is installed within each battery rack to measure rack current and voltage. A trip signal will be registered and trip the battery rack breaker in the following scenarios:

- Rack fuse current over-charge event (exceeds 250 A over 60 seconds, 250 A over 1 second, or 2,300 A over 125 milliseconds).
- Rack current over-discharge event (exceeds 470 A over 60 seconds, 495 A over 45 seconds, 540 A over 10 seconds, or 600 A over 1 seconds).
- Rack current over-voltage event (exceeds 582.08 V over 5 seconds).

The battery rack switchgear system arrangement, incorporating main breaker and fuse, is illustrated in Figure 16.

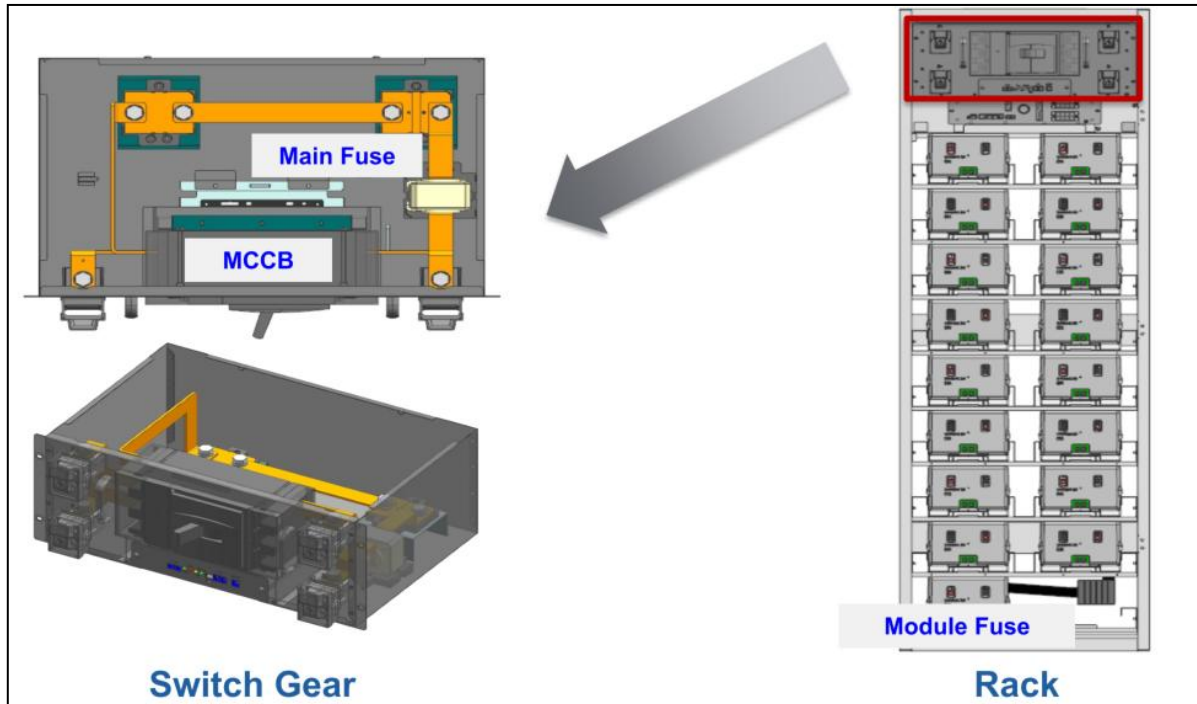


Figure 16 – Illustration of Battery Rack Switchgear Arrangement.

OFF GAS DETECTION AND ALARM SYSTEM

Battery Rooms containing lithium-ion batteries forming part of a battery ESS shall be protected by gas monitoring systems to monitor for the build up toxic and flammable gasses. The system shall include gas monitoring detection sensors capable of detecting battery off-gases (e.g. hydrogen gas) located within each room containing lithium-ion batteries.

The proposed gas monitoring system shall incorporate control panels located outside the room being monitored, allowing for occupants or the fire brigade to be provided with information associated with the environment within the room without needing to enter the room. Each control panel shall incorporate visual status LED indicators to advise whether the gas concentration is within normal range, exceeding normal range, or the equipment is in fault state.

The off-gas detection system shall be interfaced with the Building Management System to notify the security personnel and facilitate activation of off-gas ventilation system in an event of off-gases detection.

OFF GAS VENTILATION SYSTEM

Battery Rooms containing lithium-ion batteries forming part of a battery ESS are proposed to be provided with a mechanical exhaust system to prevent the build-up of off gasses. Each Battery Room shall be served by an exhaust system with a minimum exhaust rate of 5.1 L/s per m² floor area of the room in accordance with NFPA 855:2023. The off-gas ventilation system shall be activated in an event of:

- Activation of the off-gas detection system. The off-gas detection system shall be designed to activate when the level of off-gas within the Battery Room exceeds 25% of the Lower Flammability Limit (LFL).
- In an event of fire detected within the Battery Room (i.e. an event of general alarm initiated from the Battery Room).

The off-gas ventilation system shall either be continuous or activated by an off-gas detection system designed to activate the ventilation system when the level of off-gas within the Battery Room exceeds 25% of the Lower Flammability Limit (LFL). All essential components of the ventilation system shall be fire rated.

The off-gas exhaust system shall be provided with fire-rated ductwork (without any fire dampers) reticulating to outside of the building and activate in an event of a fire detected within the Battery Room or activation of the off-gas detection system. The exhaust system is proposed to continue running until manual de-activation occurs. The fans are proposed to be designed in accordance with AS 1668.1:2015 smoke control fans that are required to operate in fire mode.

3.14.2 DATA HALLS

Data Hall tenants (CDC's client) may require the provision of lithium-ion battery backup units within server racks. These battery backup units are installed to provide a localised uninterruptible power supply in the event of mains power failure. Lithium-ion battery backup units within server racks shall be installed in accordance with the requirements of FMDS 5-32 unless otherwise approved.

Battery management systems shall be configured to alert onsite CDC staff or CDC customer staff of battery voltage, temperature, or current fluctuations outside of normal operating conditions.

Lithium-ion battery backup units within server racks installed in accordance with the requirements of FMDS 5-32 shall be provided with the following in addition to the requirements of other sections of the Fire Safety Strategy:

- Lithium-ion batteries comply with requirements of UL1642.
- Lithium-ion batteries comply with requirements of UL1973.
- Lithium-ion batteries comply with requirements of AS/IEC 62619.
- Maximum power capacity of 20 kWh per server rack as a distributed power configuration.
- No more than two shelves containing battery backup unit modules shall be located together in the same area of the rack as illustrated in Figure 17.
- Aisle spacing between server rows shall be at least 1.2 m.
- Vertical barriers comprising minimum 20-gauge (0.9 mm) solid sheet metal shall be provided on the side of every third server rack to limit the fire spread as illustrated in Figure 18. Vertical barriers shall be provided throughout any server rack row where lithium-ion battery backup units are installed or expected to be installed in the future.
- Enhanced fire sprinkler protection design criteria as per FMDS 5-32.

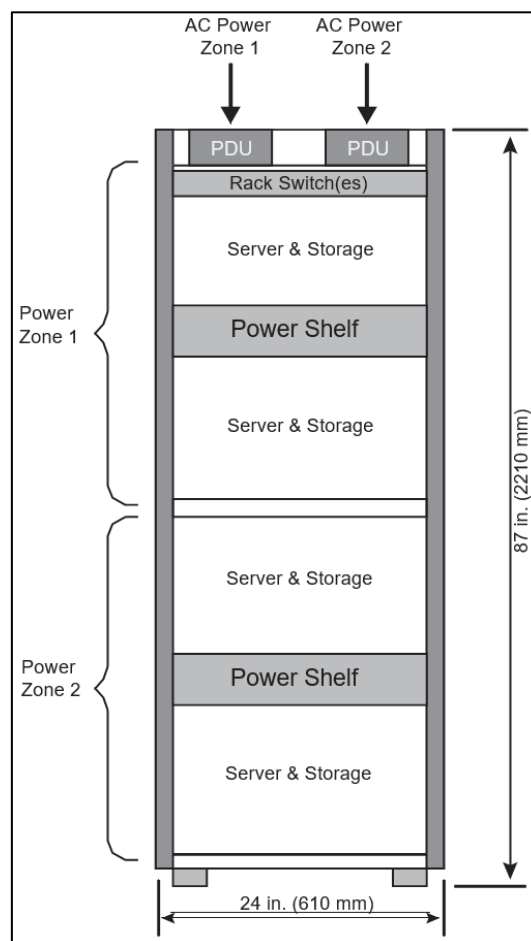


Figure 17 – Extract from FMDS 5-32 – Illustration of Lithium-ion Battery Backup Units in a Server Rack.

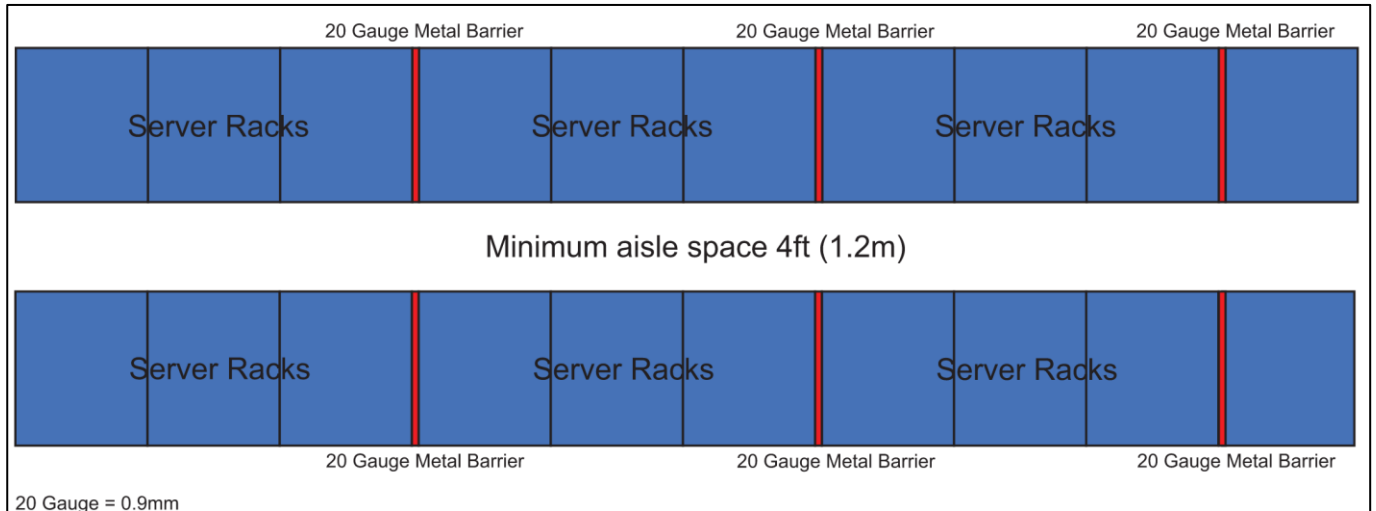


Figure 18 – Extract from FMDS 5-32 – Illustration of Server Rack Vertical Barriers.

3.15 EV AND EV CHARGING

All EVs and associated charging stations shall be located outside and minimum 10 m from building exit/entry points.

The EV charging stations shall be interfaced with a remote emergency shutdown facility. The emergency shutdown facility to be located at the building entrance and/or adjacent the fire panel.

EVs with mechanical damage shall not be permitted within the site.

All EV Charging stations shall be provided with blue “EV” stickers or badges on number plates to indicate that it is an EV or hybrid vehicle as per FRNSW recommendations.

Block plans identifying the location of the EV charging station and the master isolation switch to be located at the Fire Control Centre.

3.16 STANDARDS OF CONSTRUCTION AND COMMISSIONING

Essential Safety Measures shall be installed, tested, and commissioned in accordance with the Australian Standards applicable to the installed Essential Safety Measures and this Fire Safety Strategy. Commissioning tests required to be undertaken include but are not limited to:

- Confirmation of operation of all installed fire detectors and subsequent activation of the occupant warning system and other systems required to operate / shutdown in fire mode.
- Testing of all fire dampers, air conditioning shutdowns or controls required in order to achieve the building fire mode operational requirements.
- Testing of signals to building management system, access control system, security systems and the like.
- Testing of fire alarm transmission signal to the local fire authority or monitoring facility.
- Sound pressure level testing of the occupant warning system.
- Flow and pressure testing of the fire hydrant and fire sprinkler systems.
- Hydrostatic pressure testing of the fire hydrant and fire sprinkler systems.
- Exit and emergency lighting discharge testing.
- Testing of gas monitoring and ventilation systems serving rooms containing lithium-ion batteries.

Testing and commissioning of the automatic fire sprinkler systems shall be undertaken in accordance with relevant FMDS as per Section 3.7.

Records of testing and commissioning activities shall be included in Operation and Maintenance Manuals, forming part of the baseline documentation package for the building.

3.17 STANDARDS OF MANAGEMENT, USE AND MAINTENANCE

The Fire Safety Strategy extends for the life of the buildings, and it is the responsibility of the building owner to ensure fire safety management and maintenance tasks are being undertaken in accordance with this Fire Safety Strategy.

The following fire safety management and emergency response strategies shall be implemented:

- All occupants shall undertake an induction process which identifies all relevant exit locations and advises on emergency response procedures.
- A hazardous goods register shall be established and maintained by building management.
- A register of doorsets required to comprise of fire resisting elements shall be kept onsite and verified during annual maintenance activities.
- The building owner shall prepare and follow management procedures to conduct reviews of the storage of goods and general housekeeping to maintain a reasonable fire load within the building and ensure egress paths and access to Fire Services equipment are maintained.
- Work permits and safe work method statements are required for any works conducted onsite. A management system shall be developed and implemented for the management of hot work (e.g. welding).
- Electrical systems, equipment and plant shall be regularly inspected and maintained in accordance with regulatory requirements, in intervals not exceeding 1 year.

Emergency response procedures shall be developed to facilitate the following general fire emergency response strategy for the buildings:

- On duty site security shall investigate a fire alarm subject to AVF and initiate fire mode if determined to be a confirmed fire incident.
- In the event of a confirmed fire incident, early occupant fire suppression via the use of portable fire extinguishers shall be undertaken if deemed appropriate.
- The local fire brigade shall be notified automatically through the automatic fire detection and alarm system to facilitate prompt intervention.
- Fire brigade intervention shall only occur if a threat to life safety is introduced as a result of a fire event and shall commence only after an emergency shutdown procedure of electrical plant has occurred. If the fire risk is life-threatening (as deemed by attending firefighters), the building occupants are expected to undertake an emergency shutdown procedure prior to fire brigade search and rescue commencement. The shutdown procedure shall include shutdown to all electrical supply to the room required to be electrically isolated to facilitate fire brigade intervention.
- On duty site security personnel shall open all security access gates when appropriate to facilitate fire brigade perimeter access to the buildings.
- Doors that provide access to secure areas within the Data Centre facility are provided with a combination of electronic and mechanical locking provisions. Onsite Security shall ensure keys to mechanical locking are made available to the attending fire brigade.

Maintenance of all Essential Safety Measures shall be undertaken in accordance with relevant Legislation. All systems that fall within the scope of AS 1851:2012 shall be tested and maintained in accordance with the requirements of AS 1851:2012. Testing and maintenance of the automatic fire sprinkler systems shall be undertaken in accordance with relevant FMDS as per Section 3.7 in addition to the requirements of AS 1851:2012. The exit and emergency lighting system shall be tested and maintained in accordance with AS/NZS 2293.2:2019. Maintenance records shall be kept up to date and located onsite.

Any change to the Fire Safety Strategy will result in the outcomes presented in this report being invalid and the Fire Safety Strategy will require reassessment to confirm compliance with the BCA. A copy of the Performance Based Design Report shall be retained onsite for ease of access.

FRV shall be notified of all planned activities requiring isolation of active Essential Safety Measures.

3.18 STAGED WORKS

The building is proposed to be constructed in a staged manner, where areas may not be fitout as part of the initial handover. Occupation Permits are expected to be issued for each stage of works that is completed. Therefore, it is anticipated the building will be occupied when the building arrangement deviates from the requirements of the Fire Safety Strategy detailed within this Section of the report, e.g. non-operational Data Halls may be provided with temporary point-type smoke detection in lieu of aspirating smoke detection.

The staged delivery will result in server racks and other equipment not being installed within all Data Halls. Data Halls, associated Mechanical Services Corridors, and rooms including equipment serving the subject Data Halls (e.g. IT Switchrooms and Battery Rooms) may not be fitout, omitting the installation of partition walls between Mechanical Services Corridors and the Data Halls they serve, ceilings and services equipment.

The building shall not be occupied unless the building achieves the requirements of the proposed Fire Safety Strategy. Where the Fire Safety Strategy is proposed to be deviated to facilitate a staged delivery as explicitly described above, the following requirements shall be satisfied:

- Proposed arrangement and fitout shall be explicitly approved by the Certifying Authority.
- Proposed arrangement and fitout shall be explicitly approved by an appropriately qualified Fire Safety Engineer.
- Any rooms that are proposed to be subject to a staged delivery and fitout at a later date, shall not be used for general storage (excludes equipment proposed to be installed within the subject rooms as part of a future stage of works, e.g. Mechanical Services plant within a Mechanical Services Corridor). The building owner shall be responsible for the regular review of these spaces to ensure they are not used for storage. Signage shall be provided at each entrance to these spaces stating: "*STORAGE OF ITEMS IS PROHIBITED IN THIS AREA*". The signage shall include capital lettering, not less than 50 mm, in a colour contrasting the background. Review to the occupancy and storage limit to these rooms shall be undertaken as part of routine fire safety maintenance.

If the building is proposed to be handed over in stages such that portion(s) of the building are proposed to be occupied whilst other parts remain a construction zone, a Partial Occupation Management Plan shall be prepared. This is to ensure the requirements of the Fire Safety Strategy are adequately maintained (not affected by the construction zone) within the handed over areas.

The 'Day 1' scope of works handover is expected to predominantly comprise the handover of Cold Shell areas. Cold Shell areas shall generally comprise the completion of structural and building envelope works, with Building Services being limited to the minimum required for compliance with the BCA DtS Provisions (excerpt where permitted in this report). In this arrangement, sections of fire compartment wall may not be installed resulting in the entirety of each floor being considered a single fire compartment (with exception of the services risers, lift shaft, and fire-isolated stairs). The proposed 'Day 1' arrangement is also proposed to depart from the 'Day Ultimate' Fire Safety Strategy with respect to sprinkler protection being omitted within the Cold Shell areas (smoke detection will be installed).

Memorandum

To:	CDC Data Centres Pty Ltd	Date:	19 February 2026
Attention:	Jessica Betteridge	Project No.:	239629.00
Email:	jessica.betteridge@cdc.com	Reference:	R.003.Rev0
Subject:	Preliminary Contamination Assessment		

An Engineer from Douglas Partners Pty Ltd (Douglas) attended the proposed BK3 data centre site at 594 Geelong Road Brooklyn VIC between 20 January and 10 February 2026 to complete the geotechnical and environmental investigations.

Based on the supplied plans, it is understood that the data centre development is intended to extend in an east-west direction and comprise four above ground levels. The environmental assessment was undertaken alongside the geotechnical investigation and included the collection of environmental samples at half-metre intervals within the boreholes and test pits until the top of rock or refusal was reached. The location of the site and the sampling locations are shown in the attached Drawing 1 - Test Location Plan.

1. Field Work Methodology

The boreholes, labelled BH01 to BH25 were drilled using a truck mounted drilling rig and were advanced using solid flight augers to penetration refusal and then by diamond coring techniques until the target depth was reached.

The test pits, labelled TP101 to TP21 were excavated using a 12T excavator. The test pits were left open for a period to allow the observation of any groundwater inflow prior to backfilling. Test pits were backfilled with excavated spoil, which was tamped and track rolled.

Standard environmental sampling procedures, as outlined in Douglas's 'Field Procedures Manual', were employed and are summarised as follows:

- Collection of soil samples into laboratory-prepared glass sample containers directly from the test pit wall or auger using disposable nitrile gloves (a new pair of gloves was used for each sample collected to minimise potential cross-contamination);
- Labelling of the sample containers with individual and unique identification details including project number, sampling date, test pit number and sample number;
- Placing samples in a cooled, insulated and sealed container; and
- Transportation of samples to a NATA accredited testing laboratory under chain-of-custody documentation for subsequent testing of selected samples.

The field work was performed in the presence of a Douglas engineer who was responsible for the field work co-ordination, supervising the in-situ testing, logging of the strata encountered, sample collection and liaising with contractors engaged by Douglas.

2. Field Results

The subsurface conditions encountered at the test locations generally comprised a surface layer of crushed rock fill underlain by crushed siltstone fill. Beneath the fill, residual basaltic clay soils of the Newer Volcanics Group were encountered, underlain in turn by weathered basalt rock.

The encountered conditions are summarised below:

- **Fill** comprising gravel and gravelly sands; grey, fine to coarse sand and fine to medium sub-angular gravels and trace bricks, and
 - Clay or gravelly clays; medium plasticity, typically yellow brown.
- **Newer Volcanic Group Residual Soil** comprising clay, high plasticity, dark grey and grey, brown, and
 - Weathered basalt rock, slightly to moderately vesicular, grey to dark grey.

3. Laboratory Testing

Fifty-five representative soil samples were selected for environmental analysis at ALS Water Group Services in Scoresby (ALS) who is NATA accredited for the tests performed. All analyses were conducted within the holding times recommended by EPA Victoria publication IWRG701, *Sampling and Analysis of Waters, Wastewaters, Soils and Sludges* (EPA Victoria, 2009) and comprised the following:

- Five samples for an EPA 1828.3 Table 3 Screen. This comprises metals (arsenic, cadmium, chromium (VI), copper, lead, mercury, molybdenum, nickel, tin, selenium, silver and zinc), total cyanide, total fluoride, speciated phenols (halogenated and non-halogenated), monocyclic aromatic hydrocarbons (including benzene, toluene, ethyl benzene and xylenes known as BTEX), polycyclic aromatic hydrocarbons (PAH), total recoverable hydrocarbons (TRH), polychlorinated biphenyls (PCB), chlorinated hydrocarbons (volatile and semi-volatile), organochlorine pesticides (OCP) and per- and polyfluoroalkyl substances (PFAS);
- 30 samples for metals (arsenic, cadmium, total chromium, copper, lead, mercury, molybdenum, nickel, tin, selenium, silver and zinc), BTEX, PAH and TRH; and
- 20 samples for metals only (arsenic, cadmium, chromium), copper, lead, mercury, molybdenum, nickel, tin, selenium, silver and zinc).

4. Site Assessment Criteria

To assess the suitability of soils to remain onsite for the proposed commercial land-use, soil laboratory results were compared to published ecological, human health, and vapour intrusion investigation levels, and management limits presented in the National Environmental Protection Council's (NEPC) *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)* [the 'NEPM'] (NEPC, 2013), and CRC CARE's *Health screening levels for petroleum hydrocarbons in soil and groundwater* (2011). It should be noted that these investigation levels are not 'clean-up' criteria but are used as a 'first-pass' assessment of risk, and as such are conservative values. Douglas adopted ecological and health assessment criteria specific to soil conditions and depth. A commercial land-use has been adopted for this investigation.

To provide categorisation of soils for off-site disposal soil laboratory results were compared to thresholds presented in EPA Publication 1828.3 (EPA Victoria, 2024). Details of the adopted assessment criteria are presented below.

4.1.1 Human health assessment criteria

To assess the risk to Human Health, Douglas adopted generic Health Investigation Levels (HILs) from Table 1A(1) of Schedule B1 of the NEPM, and Health Screening Levels (HSLs) for direct contact were adopted from Table A4 of CRC CARE's Technical Report No.10.

To assess the risk of vapour intrusion, Douglas adopted HSLs from Table 1A(3) of Schedule B1 of the NEPM.

Management limits were used to evaluate the likelihood of the formation of observable light non-aqueous phase liquids (LNAPL), fire and explosive hazards, and effects on buried infrastructure and were adopted from Table 1B(7) of Schedule B1 of the NEPM.

Adopted HILs and HSLs are presented in Table 1A, attached.

4.1.2 Ecological assessment criteria

Site-specific Ecological Investigation Levels (EILs) and Ecological Screening Levels (ESLs) for a commercial/industrial land-use setting were used to evaluate potential risks to ecosystems, and were calculated as follows:

- EILs for lead, arsenic, DDT and naphthalene were adopted from Tables 1B(4) and 1B(5) of Schedule B1 of the NEPM;
- EILs for copper, nickel, chromium (III), and zinc were calculated by using the NEPM toolbox (<http://www.nepc.gov.au/nepms/assessment-site-contamination/toolbox>). The state of Victoria and a high traffic volume were adopted, as well as a clay content of 10% for clays and 1% for gravels (based on field work findings). The mean average of five pH results (9.8 pH units) and a Cation Exchange Capacity (CEC) result (16 cmolc/kg) sourced through the Victorian Background Soil Database (Mikkonen, 2018) was also applied to the calculator. Criteria for aged contamination were adopted. The toolbox EIL outputs are attached;

- EILs for cadmium and mercury were adopted from the *Canadian Soil Quality Guidelines for the protection of environmental and human health* (CCME, 2007); and
- ESLs for selected hydrocarbons were taken directly from Table 1B(6) of the NEPM.

Adopted ecological assessment criteria are presented in Table 1A along with EIL calculations, attached.

5. Laboratory Results and Recommendations

Tabulated soil laboratory results are provided in Table 1A along with the NATA endorsed laboratory test certificates and chain of custody documentation.

All soil sample results were reported below the adopted ecological and human health investigation and screening levels, indicating that all tested soils are suitable to remain on-site for the proposed commercial land use.

Further soil contamination reporting, including waste categorisation will be included in the final environmental report prepared by Douglas. This will include the following analysis currently underway at the time of reporting:

- Six samples for Fluoride;
- Three samples for Nickel Australian Standard Leachate Procedure (ASLP); and
- One sample for PAH ASLP.

If indicators of potentially impacted soils are encountered during site works, such as stained or odorous soils, or significant underground structures, potential impacted soils should be segregated and further investigated by a suitably qualified environmental consultant.

5. References

Mikkonen, H. B. (2018). *Victorian Background Soil Database, Version 1.0*. (RMIT University, Melbourne, Australia) Retrieved from <http://doi.org/10.4225/61/5a3ae6d48570c>

6. Limitations

Douglas Partners Pty Ltd (Douglas) has prepared this report for this project at 594 Geelong Road, Brooklyn VIC in line with Douglas' proposal dated 12 January 2026. This report is provided for the exclusive use of CDC Data Centres Pty Ltd for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of Douglas, does so entirely at its own risk and without recourse to Douglas for any loss or damage. In preparing this report Douglas has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the sub-surface conditions on the site only at the specific sampling and/or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of human influences. Such changes may occur after Douglas' field testing has been completed.

Douglas' advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by Douglas in this report may be affected by undetected variations in ground conditions across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

The assessment of atypical safety hazards arising from this advice is restricted to the environmental components set out in this report and based on known project conditions and stated design advice and assumptions. While some recommendations for safe controls may be provided, detailed 'safety in design' assessment is outside the current scope of this report and requires additional project data and assessment.

This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. Douglas cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by Douglas. This is because this report has been written as advice and opinion rather than instructions for construction.

Douglas Partners Pty Ltd


P.P. for
Nicole Murfitt
Environmental Scientist

Reviewed by



Dean Woods
Principal

Attachments: About This Report
 Drawing 1 - Test Location Plan
 Table 1A: Tabulated Environmental Results
 EIL Calculations
 NATA Accredited Laboratory Documentation

About this Report



November 2023

Introduction

These notes have been provided to amplify DP's report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

DP's reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

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Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;
- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at

the time of construction as are indicated in the report; and

- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, DP will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, DP cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, DP will be pleased to assist with investigations or advice to resolve the matter.

continued next page

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Planning Application Number: P0588/2025

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About this Report

Site Anomalies

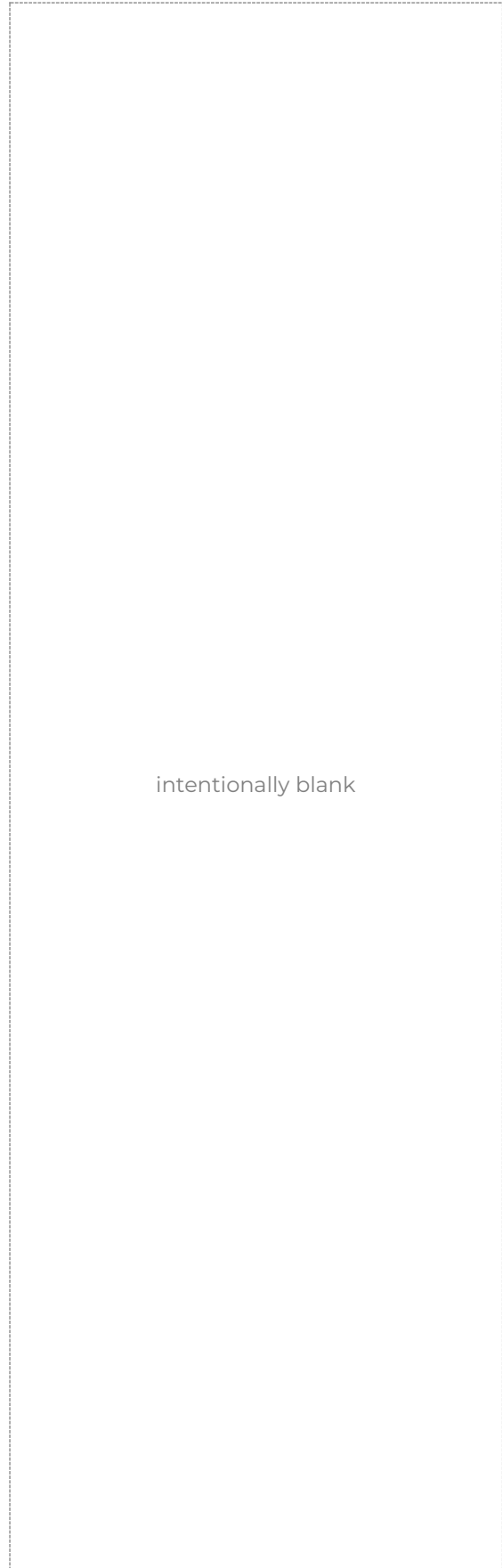
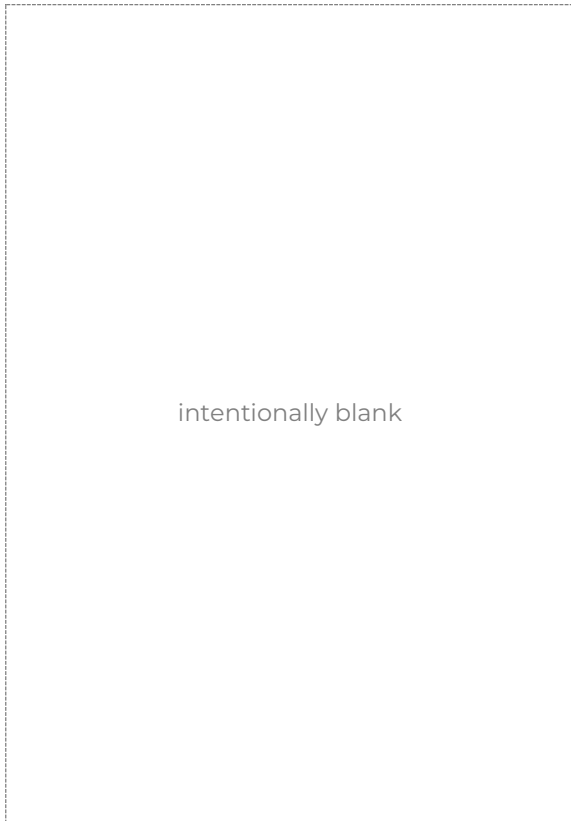
In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, DP requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

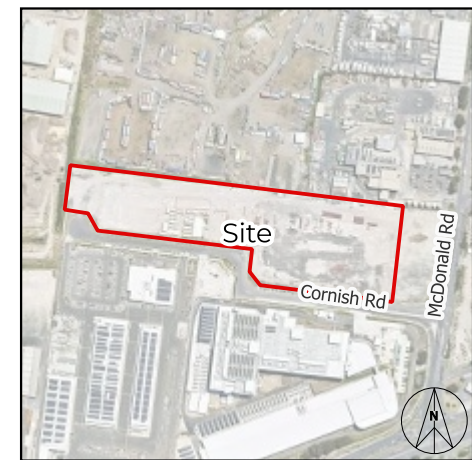
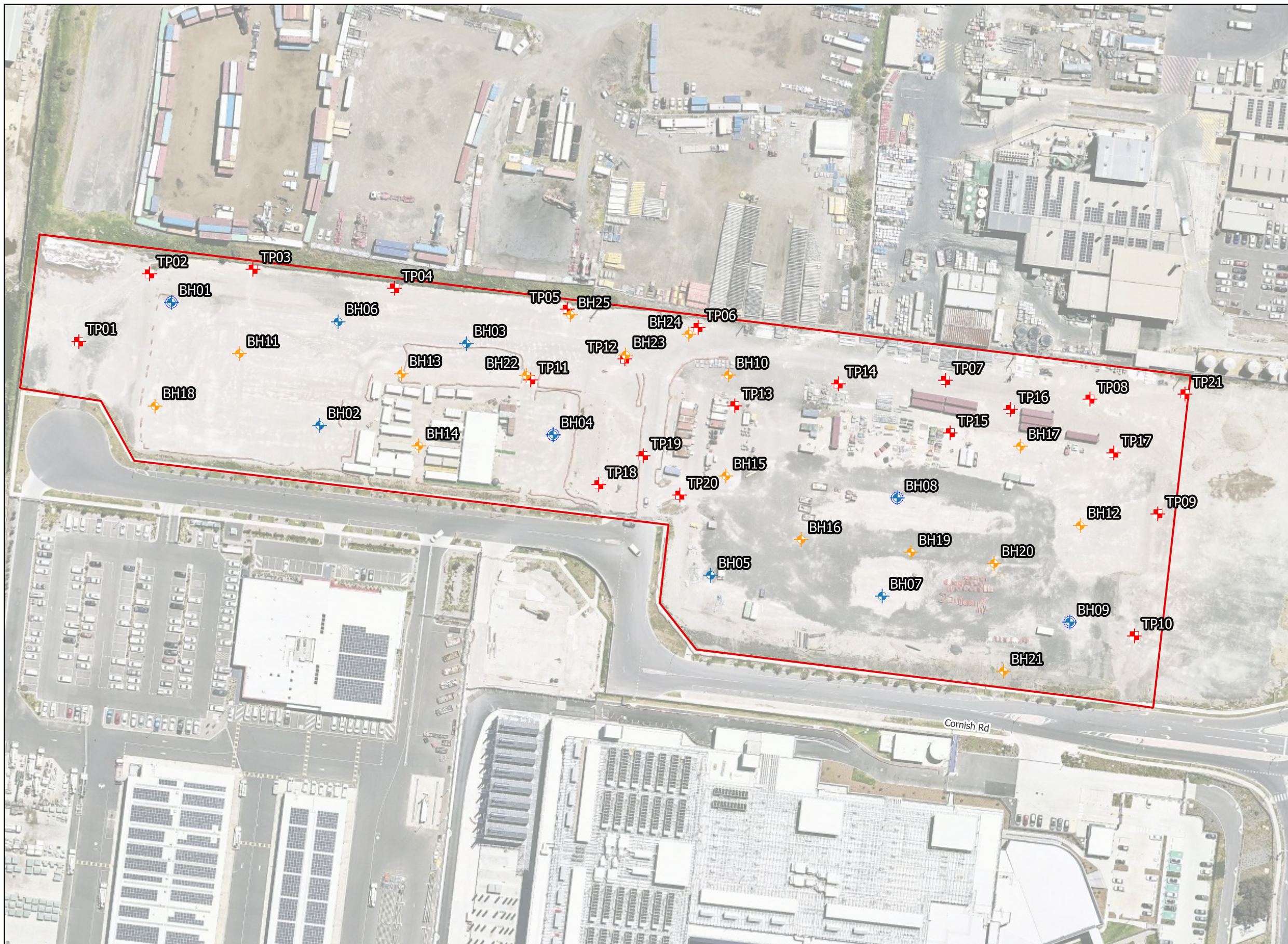
Information for Contractual Purposes

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. DP would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

Site Inspection

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.





SITE LOCATION

LEGEND

- Approx. Site Boundary
- + Boreholes (15m)
- + Boreholes (2-3m into weathered rock)
- + Boreholes (15m) with groundwater well
- + Test Pits

0 10 20 30 40 50 m



NOTE:
 1. Drawing projection in GDA2020 / MGA zone 55, adapted from aerial imagery from "MetroMap"
 2. Test locations are approximate only and were located using differential GPS typically accurate to ± 0.1 m depending on satellite coverage



CLIENT: CDC Data Centres Pty Ltd

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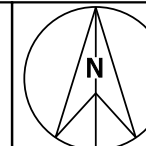
DATE: 15/02/2026

DRAWN BY: AL

TITLE: **Test Location Plan**

BK3 DATA CENTRE

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PROJECT: 239629.00

DRAWING NO: 1

REVISION: 0

Table 1A: Summary of laboratory results - soil contaminated land

Units	Metals													Cyanide	TRH (NEPM 2013)						Other	BTEXN (all)					
	Arsenic	Cadmium	Chromium (Total)	Chromium (VI)	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Zinc	Cyanide (Total)	TRH C6-C10	TRH >C10-C16	TRH F1 (C6-C10 minus BTEX)	TRH F2 (>C10-C16 minus naphthalene)	TRH F3 (>C16-C34)	TRH F4 (>C34-C40)	Fluoride	Benzene	Toluene	Ethylbenzene			
HIL-D	3,000	900	3,600 ¹	3,600	240,000	1,500	730	-	6,000	10,000	-	-	400,000	-	-	-	-	-	-	-	-	-	-	-	-		
HSL-D Sand <1m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	260	NL	-	-	-	-	3	NL	NL		
HSL-D Sand 1m - 2m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	370	NL	-	-	-	-	3	NL	NL		
HSL-D Sand 2m - 4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	630	NL	-	-	-	-	3	NL	NL		
HSL-D Sand >4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	NL	-	-	-	-	3	NL	NL		
HSL-D Clay <1m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	310	NL	-	-	-	-	4	NL	NL		
HSL-D Clay 1m - 2m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	NL	-	-	-	-	6	NL	NL		
HSL-D Clay 2m - 4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	NL	-	-	-	-	9	NL	NL		
HSL-D Clay >4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	NL	-	-	-	-	20	NL	NL		
EIL, Commercial & industrial	160	-	670	-	310	1,800	-	-	400	-	-	-	960	-	-	-	-	-	-	-	-	-	-	-	-		
ESL-D Coarse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	215	-	1,700	3,300	-	75	135	165			
ESL-D Fine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	215	-	2,500	6,600	-	95	135	185	-			
ML-D Coarse	-	-	-	-	-	-	-	-	-	-	-	-	-	700	1,000	-	-	3,500	10,000	-	-	-	-	-			
ML-D Fine	-	-	-	-	-	-	-	-	-	-	-	-	-	800	1,000	-	-	5,000	10,000	-	-	-	-	-			
Location	Depth	Date	Matrix Description																								
BH01	0m - 0.1m	28/01/2026	FILL - Gravelly SAND	<5	<0.2	22	-	16	9	<0.05	<5	34	<3	<5	<5	57	-	<20	<20	<20	<20	130	82	-	<0.5	<0.5	<0.5
	7.2m - 7.3m	28/01/2026	Silty CLAY	<5	<0.2	110	-	17	5	<0.05	<5	45	<3	<5	<5	27	-	<20	170	<20	170	240	<50	<50	-	<0.5	<0.5
BH02	0.5m - 0.6m	5/02/2026	FILL - Sandy CLAY	<5	<0.2	-	<1	16	12	0.06	<5	30	<3	<5	<5	16	<5	<20	<20	<20	<20	<50	<50	290	<0.5	<0.5	<0.5
	1m - 1.1m	5/02/2026	FILL - Sandy CLAY	<5	<0.2	50	-	17	12	<0.05	<5	26	<3	<5	<5	19	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
	4m - 4.1m	5/02/2026	Silty CLAY	<5	<0.2	56	-	8	8	<0.05	<5	24	<3	<5	<5	15	-	-	-	-	-	-	-	-	-	-	-
BH04	0m - 0.1m	27/01/2026	FILL - Gravelly SAND	<5	<0.2	24	-	24	18	0.1	<5	41	<3	<5	<5	53	-	<20	<20	<20	<20	150	160	-	<0.5	<0.5	<0.5
	2m - 2.1m	27/01/2026	Silty CLAY	<5	<0.2	-	<1	10	13	0.06	<5	32	<3	<5	<5	100	<5	<20	<20	<20	<20	<50	<50	380	<0.5	<0.5	<0.5
BH05	0.4m - 0.5m	2/02/2026	FILL - Sandy CLAY	12	<0.2	21	-	14	12	<0.05	<5	34	<3	<5	<5	43	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
	4m - 4.1m	2/02/2026	Silty CLAY	<5	<0.2	78	-	15	9	<0.05	<5	45	<3	<5	<5	27	-	-	-	-	-	-	-	-	-	-	
BH07	0.4m - 0.5m	2/02/2026	FILL - Sandy CLAY	<5	<0.2	40	-	8	13	0.08	<5	15	<3	<5	<5	11	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
BH08	0m - 0.1m	22/01/2026	FILL - Gravelly SAND	<5	<0.2	19	-	16	18	<0.05	<5	29	<3	<5	<5	46	-	<20	<20	<20	<20	100	130	-	<0.5	<0.5	<0.5
	3m - 3.1m	22/01/2026	Silty CLAY	<5	<0.2	72	-	9	9	<0.05	<5	31	<3	<5	<5	19	-	-	-	-	-	-	-	-	-	-	
BH09	0.4m - 0.5m	21/01/2026	FILL - Sandy CLAY	5	<0.2	24	-	18	15	<0.05	<5	41	<3	<5	<5	63	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
BH10	0.5m - 0.6m	3/02/2026	FILL - Sandy CLAY	<5	<0.2	32	-	23	13	<0.05	<5	48	<3	<5	<5	93	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
	3m - 3.1m	3/02/2026	Silty CLAY	<5	<0.2	79	-	7	6	<0.05	<5	18	<3	<5	<5	19	-	-	-	-	-	-	-	-	-	-	
BH11	0m - 0.1m	4/02/2026	FILL - Gravelly SAND	<5	<0.2	18	-	15	22	<0.05	<5	40	<3	<5	<5	47	-	<20	<20	<20	<20	120	84	-	<0.5	<0.5	<0.5
	2m - 2.1m	4/02/2026	Silty CLAY	<5	<0.2	42	-	6	14	<0.05	<5	28	<3	<5	<5	24	-	<20	<20	<20	<20	74	<50	-	<0.5	<0.5	<0.5
	4m - 4.1m	4/02/2026	Silty CLAY	<5	<0.2	32	-	<5	9	<0.05	<5	13	<3	<5	<5	13	-	-	-	-	-	-	-	-	-	-	
BH12	0.5m - 0.6m	21/01/2026	FILL - Gravelly SAND	<5	<0.2	18	-	16	17	<0.05	<5	37	<3	<5	<5	46	-	<20	<20	<20	<20	110	99	-	<0.5	<0.5	<0.5
	1.9m - 2m	21/01/2026	Silty CLAY	<5	<0.2	29	-	18	23	0.06	<5	70	<3	<5	<5	36	-	-	-	-	-	-	-	-	-	-	
BH13	0m - 0.1m	5/02/2026	FILL - Gravelly SAND	<5	1	19	-	18	28	0.08	<5	30	<3	<5	<5	54	-	<20	<20	<20	<20	190	120	-	<0.5	<0.5	<0.5
	2m - 2.1m	5/02/2026	Silty CLAY	<5	<0.2	33	-	<5	10	<0.05	<5	18	<3	<5	<5	11	-	-	-	-	-	-	-	-	-	-	
BH14	0.4m - 0.5m	27/01/2026	FILL - Sandy CLAY	7	<0.2	18	-	16	12	0.05	<5	56	<3	<5	<5	56	-	<20	<20	<20	<20	68	71	-	<0.5	<0.5	<0.5
	2m - 2.1m	27/01/2026	Silty CLAY	<5	<0.2	48	-	<5	9	<0.05	<5	22	<3	<5	<5	13	-	-	-	-	-	-	-	-	-	-	
BH15	0.5m - 0.6m	3/02/2026	FILL - Sandy CLAY	<5	<0.2	33	-	19	16	0.1	<5	47	<3	<5	<5	65	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
	3m - 3.1m	3/02/2026	Silty CLAY	<5	<0.2	53	-	11	9	<0.05	<5	22	<3	<5	<5	19	-	-	-	-	-	-	-	-	-	-	
BH16	0.5m - 0.6m	23/01/2026	FILL - Gravelly CLAY	<5	<0.2	38	-	10	9	0.06	<5	<5	<3	<5	<5	<5	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
	2m - 2.1m	23/01/2026	Silty CLAY	<5	<0.2	44	-	6	8	<0.05	<5	17	<3	<5	<5	15	-	-	-	-	-	-	-	-	-	-	
BH17	0.5m - 0.6m	22/01/2026	FILL - Sandy CLAY	12	<0.2	-	<1	17	14	<0.05	<5	33	<3	<5	<5	29	<5	<20	<20	<20	<20	<50	<50	600	<0.5	<0.5	<0.5

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Table 1A: Summary of laboratory results - soil contaminated land

Units	Metals													Cyanide	TRH (NEPM 2013)						Other	BTEXN (all)					
	Arsenic	Cadmium	Chromium (Total)	Chromium (VI)	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Zinc	Cyanide (Total)	TRH C6-C10	TRH >C10-C16	TRH F1 (C6-C10 minus BTEX)	TRH F2 (>C10-C16 minus naphthalene)	TRH F3 (>C16-C34)	TRH F4 (>C34-C40)	Fluoride	Benzene	Toluene	Ethylbenzene			
HIL-D	3,000	900	3,600 ¹	3,600	240,000	1,500	730	-	6,000	10,000	-	-	400,000	-	-	-	-	-	-	-	-	-	-	-	-		
HSL-D Sand <1m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	260	NL	-	-	-	-	3	NL	NL		
HSL-D Sand 1m - 2m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	370	NL	-	-	-	-	3	NL	NL		
HSL-D Sand 2m - 4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	630	NL	-	-	-	-	3	NL	NL		
HSL-D Sand >4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	NL	-	-	-	-	3	NL	NL		
HSL-D Clay <1m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	310	NL	-	-	-	-	4	NL	NL		
HSL-D Clay 1m - 2m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	NL	-	-	-	-	6	NL	NL		
HSL-D Clay 2m - 4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	NL	-	-	-	-	9	NL	NL		
HSL-D Clay >4m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	NL	-	-	-	-	20	NL	NL		
EIL, Commercial & industrial	160	-	670	-	310	1,800	-	-	400	-	-	-	960	-	-	-	-	-	-	-	-	-	-	-	-		
ESL-D Coarse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	215	-	1,700	3,300	-	75	135	165			
ESL-D Fine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	215	-	2,500	6,600	-	95	135	185				
ML-D Coarse	-	-	-	-	-	-	-	-	-	-	-	-	-	700	1,000	-	-	3,500	10,000	-	-	-	-	-			
ML-D Fine	-	-	-	-	-	-	-	-	-	-	-	-	-	800	1,000	-	-	5,000	10,000	-	-	-	-	-			
Location	Depth	Date	Matrix Description																								
BH18	0m - 0.1m	28/01/2026	FILL - Gravelly SAND	<5	<0.2	22	-	16	9	<0.05	<5	34	<3	<5	<5	57	-	<20	<20	<20	<20	130	82	-	<0.5	<0.5	<0.5
	0.4m - 0.5m	28/01/2026	FILL - Sandy CLAY	<5	<0.2	-	<1	7	9	0.11	<5	8	<3	<5	<5	8	<5	<20	<20	<20	<20	<50	<50	270	<0.5	<0.5	<0.5
	2m - 2.1m	28/01/2026	Silty CLAY	<5	<0.2	37	-	<5	8	0.05	<5	26	<3	<5	<5	14	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
	3m - 3.1m	28/01/2026	Silty CLAY	<5	<0.2	63	-	9	12	0.06	<5	24	<3	<5	<5	21	-	-	-	-	-	-	-	-	-	-	-
BH19	0m - 0.1m	23/01/2026	FILL - Gravelly SAND	<5	<0.2	17	-	16	10	<0.05	<5	39	<3	<5	<5	42	-	<20	<20	<20	<20	110	91	-	<0.5	<0.5	<0.5
BH20	0.5m - 0.6m	22/01/2026	FILL - Sandy CLAY	5	<0.2	29	-	12	11	<0.05	<5	7	<3	<5	<5	10	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
BH21	0.4m - 0.5m	22/01/2026	FILL - Silty CLAY	<5	<0.2	-	<1	9	10	<0.05	<5	30	<3	<5	<5	22	<5	<20	<20	<20	<20	<50	<50	290	<0.5	<0.5	<0.5
	1m - 1.1m	22/01/2026	Silty CLAY	<5	<0.2	33	-	21	15	<0.05	<5	43	<3	<5	<5	75	-	-	-	-	-	-	-	-	-	-	-
TP01	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	<5	<0.2	19	-	18	11	<0.05	<5	46	<3	<5	<5	58	-	<20	<20	<20	<20	95	67	-	<0.5	<0.5	<0.5
	1m - 1.1m	28/01/2026	Silty CLAY	<5	<0.2	46	-	6	13	0.06	<5	14	<3	<5	<5	13	-	-	-	-	-	-	-	-	-	-	-
TP02	1m - 1.1m	28/01/2026	Silty CLAY	<5	<0.2	48	-	8	15	<0.05	<5	31	<3	<5	<5	17	-	-	-	-	-	-	-	-	-	-	-
TP04	0.4m - 0.5m	27/01/2026	FILL - CLAY	<5	<0.2	36	-	21	9	<0.05	<5	61	<3	<5	<5	39	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
	1m - 1.1m	27/01/2026	CLAY	<5	<0.2	38	-	6	12	<0.05	<5	25	<3	<5	<5	14	-	-	-	-	-	-	-	-	-	-	-
TP06	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	<5	<0.2	15	-	16	17	<0.05	<5	31	<3	<5	<5	53	-	<20	<20	<20	<20	82	63	-	<0.5	<0.5	<0.5
TP08	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	5	<0.2	30	-	17	25	0.09	<5	50	<3	<5	<5	66	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
TP09	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	<5	<0.2	23	-	21	25	0.07	<5	41	<3	<5	<5	88	-	<20	<20	<20	<20	74	70	-	<0.5	<0.5	<0.5
TP11	0.8m - 0.9m	27/01/2026	FILL - Gravelly CLAY	<5	<0.2	40	-	8	10	<0.05	<5	26	<3	<5	<5	15	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
TP14	0.1m - 0.2m	28/01/2026	FILL - Clayey GRAVEL	<5	<0.2	22	-	20	<5	<0.05	<5	93	<3	<5	<5	57	-	<20	<20	<20	<20	<50	<50	-	<0.5	<0.5	<0.5
TP15	0.5m - 0.6m	28/01/2026	FILL - Silty CLAY	<5	<0.2	74	-	6	12	<0.05	<5	22	<3	<5	<5	21	-	-	-	-	-	-	-	-	-	-	-
TP17	0.8m - 0.9m	28/01/2026	Silty CLAY	<5	<0.2	49	-	10	12	0.09	<5	26	<3	<5	<5	18	-	-	-	-	-	-	-	-	-	-	-
TP18	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	<5	<0.2	18	-	31	20	<0.05	<5	34	<3	<5	<5	64	-	<20	<20	<20	<20	150	110	-	<0.5	<0.5	<0.5
	1m - 1.1m	27/01/2026	CLAY	<5	<0.2	30	-	<5	11	<0.05	<5	15	<3	<5	<5	12	-	-	-	-	-	-	-	-	-	-	-
TP20	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	<5	<0.2	19	-	19	17	<0.05	<5	33	<3	<5	<5	67	-	<20	<20	<20	<20	160	74	-	<0.5	<0.5	<0.5
	1m - 1.1m	27/01/2026	CLAY	<5	<0.2	65	-	8	9	<0.05	<5	29	<3	<5	<5	30	-	-	-	-	-	-	-	-	-	-	-

Criteria adopted from the following guidelines:
 CRC, NEPC, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013), Table 1B(1), Table 1B(2), Table 1B(3), Table 1B(4), Table 1B(5)
 NEPC, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)

Notes:
 This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details
 Results displayed in grey text recorded below the laboratory practical quantitation limit (PQL)
 Cream shading indicates results with PQL above one or more assessment criteria
 EIL - ecological investigation level
 EGV - ecological guideline level
 ESL - ecological screening level
 HIL - health investigation level
 HSL - health screening level
 ML - management limit
 PQL - laboratory practical quantitation limit
 Field duplicate is below primary sample

Guideline Notes:
¹Total chromium used as a screen for chromium VI. Guideline applies to chromium VI only
²Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used

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Table 1A: Summary of laboratory results - soil contaminated land

Units	BTEXN (all)			B(a)P							Phenols					PCB	OCP											
	Xylene (Total)	Naphthalene (VOC)	BTEX (Total)	Benzo(a)pyrene	Naphthalene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(a)pyrene TEQ calc (0.5 PQL)	Benzo(a)pyrene TEQ (PQL)	Total PAH (sum of analysed)	Pentachlorophenol	Cresol (Total)	Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	PCB (Total)	Aldrin + Dieldrin	Chlordane (technical)	DDT	DDT+DDE+DDD	Endosulfan	Endrin	Heptachlor	Hexachlorobenzene (HCB)	Methoxychlor				
HIL-D	-	-	-	-	-	40	40	40	4,000	660	25,000	240,000	-	-	7	45	530	-	3,600	2,000	100	50	80	2,500				
HSL-D Sand <1m	230	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HSL-D Sand 1m - 2m	NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HSL-D Sand 2m - 4m	NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HSL-D Sand >4m	NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HSL-D Clay <1m	NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HSL-D Clay 1m - 2m	NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HSL-D Clay 2m - 4m	NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
HSL-D Clay >4m	NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
EIL, Commercial & industrial	-	-	-	-	370 ²	-	-	-	-	-	-	-	-	-	-	-	-	640	-	-	-	-	-	-				
ESL-D Coarse	180	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ESL-D Fine	95	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ML-D Coarse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ML-D Fine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Location	Depth	Date	Matrix Description	Xylene (Total)	Naphthalene (VOC)	BTEX (Total)	Benzo(a)pyrene	Naphthalene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(a)pyrene TEQ calc (0.5 PQL)	Benzo(a)pyrene TEQ (PQL)	Total PAH (sum of analysed)	Pentachlorophenol	Cresol (Total)	Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	PCB (Total)	Aldrin + Dieldrin	Chlordane (technical)	DDT	DDT+DDE+DDD	Endosulfan	Endrin	Heptachlor	Hexachlorobenzene (HCB)	Methoxychlor	
BH01	0m - 0.1m	28/01/2026	FILL - Gravelly SAND	<1	<0.5	<1	0.4	<0.3	0.5	0.7	0.8	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.2m - 7.3m	28/01/2026	Silty CLAY	<1	<0.5	<1	0.3	<0.2	0.5	0.5	0.6	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02	0.5m - 0.6m	5/02/2026	FILL - Sandy CLAY	<0.5	-	-	<0.1	<0.1	<0.1	0.1	0.2	<0.1	<0.5	<1	<0.5	<0.5	<30	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	1m - 1.1m	5/02/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4m - 4.1m	5/02/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04	0m - 0.1m	27/01/2026	FILL - Gravelly SAND	<1	<0.5	<1	0.5	<0.3	0.6	0.8	1	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2m - 2.1m	27/01/2026	Silty CLAY	<0.5	-	-	<0.1	<0.1	<0.1	0.1	0.2	<0.1	<0.5	<1	<0.5	<0.5	<30	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH05	0.4m - 0.5m	2/02/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4m - 4.1m	2/02/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07	0.4m - 0.5m	2/02/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08	0m - 0.1m	22/01/2026	FILL - Gravelly SAND	<1	<0.5	<1	<0.3	<0.3	<0.1	0.4	0.7	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3m - 3.1m	22/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09	0.4m - 0.5m	21/01/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10	0.5m - 0.6m	3/02/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3m - 3.1m	3/02/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH11	0m - 0.1m	4/02/2026	FILL - Gravelly SAND	<1	<0.5	<1	0.5	<0.1	0.6	0.7	0.7	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2m - 2.1m	4/02/2026	Silty CLAY	<1	<0.5	<1	0.9	<0.1	1.3	1.3	1.3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4m - 4.1m	4/02/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12	0.5m - 0.6m	21/01/2026	FILL - Gravelly SAND	<1	<0.5	<1	0.6	<0.3	0.8	0.9	1.1	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.9m - 2m	21/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13	0m - 0.1m	5/02/2026	FILL - Gravelly SAND	<1	<0.5	<1	0.8	<0.3	1.1	1.2	1.4	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2m - 2.1m	5/02/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH14	0.4m - 0.5m	27/01/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.3	<0.3	<0.3	0.4	0.7	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2m - 2.1m	27/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15	0.5m - 0.6m	3/02/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3m - 3.1m	3/02/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16	0.5m - 0.6m	23/01/2026	FILL - Gravelly CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2m - 2.1m	23/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17	0.5m - 0.6m	22/01/2026	FILL - Sandy CLAY	<0.5	-	-	<0.1	<0.1	<0.1	0.1	0.2	0.4	<0.5	<1	<0.5	<0.5	<30	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Criteria adopted from the following guidelines:

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				BTEXN (all)			B(a)P					Phenols				PCB	OCP										
Units				Xylene (Total)	Naphthalene (VOC)	BTEX (Total)	Benzo(a)pyrene	Naphthalene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(a)pyrene TEQ calc (0.5 PQL)	Benzo(a)pyrene TEQ (PQL)	Total PAH (sum of analysed)	Pentachlorophenol	Cresol (Total)	Phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	PCB (Total)	Aldrin + Dieldrin	Chlordane (technical)	DDT	DDT+DDE+DDD	Endosulfan	Endrin	Heptachlor	Hexachlorobenzene (HCB)	Methoxychlor
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
HIL-D				-	-	-	-	-	40	40	40	4,000	660	25,000	240,000	-	-	7	45	530	-	3,600	2,000	100	50	80	2,500
HSL-D Sand <1m				230	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-D Sand 1m - 2m				NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-D Sand 2m - 4m				NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-D Sand >4m				NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-D Clay <1m				NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-D Clay 1m - 2m				NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-D Clay 2m - 4m				NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-D Clay >4m				NL	NL	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Commercial & industrial				-	-	-	-	370 ²	-	-	-	-	-	-	-	-	-	-	-	-	640	-	-	-	-	-	-
ESL-D Coarse				180	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-D Fine				95	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-D Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-D Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Location	Depth	Date	Matrix Description																								
BH18	0m - 0.1m	28/01/2026	FILL - Gravelly SAND	<1	<0.5	<1	0.4	<0.3	0.5	0.7	0.8	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0.4m - 0.5m	28/01/2026	FILL - Sandy CLAY	<0.5	-	-	<0.1	<0.1	<0.1	0.1	0.2	<0.1	<0.5	<1	<0.5	<0.5	<30	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	2m - 2.1m	28/01/2026	Silty CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3m - 3.1m	28/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH19	0m - 0.1m	23/01/2026	FILL - Gravelly SAND	<1	<0.5	<1	0.5	<0.3	0.6	0.8	0.9	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH20	0.5m - 0.6m	22/01/2026	FILL - Sandy CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH21	0.4m - 0.5m	22/01/2026	FILL - Silty CLAY	<0.5	-	-	<0.1	<0.1	<0.1	0.1	0.2	<0.1	<0.5	<1	<0.5	<0.5	<30	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	1m - 1.1m	22/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP01	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	<1	<0.5	<1	0.4	<0.3	0.6	0.7	0.9	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1m - 1.1m	28/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP02	1m - 1.1m	28/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04	0.4m - 0.5m	27/01/2026	FILL - CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1m - 1.1m	27/01/2026	CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP06	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	<1	<0.5	<1	<0.3	<0.3	<0.1	0.4	0.7	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP08	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP09	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	<1	<0.5	<1	0.4	<0.3	0.6	0.7	0.9	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP11	0.8m - 0.9m	27/01/2026	FILL - Gravelly CLAY	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP14	0.1m - 0.2m	28/01/2026	FILL - Clayey GRAVEL	<1	<0.5	<1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP15	0.5m - 0.6m	28/01/2026	FILL - Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP17	0.8m - 0.9m	28/01/2026	Silty CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP18	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	<1	<0.5	<1	0.6	<0.3	0.8	0.9	1.1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1m - 1.1m	27/01/2026	CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP20	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	<1	<0.5	<1	0.6	<0.3	0.7	0.9	1.1	6.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1m - 1.1m	27/01/2026	CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Criteria adopted from the following guidelines:

CRC, NEPC, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013), Table 1B(1), Table 1B(2), Table 1B(3), Table 1B(4), Table 1B(5)

NEPC, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)

Notes:

This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details

Results displayed in grey text recorded below the laboratory practical quantitation limit (PQL)

Cream shading indicates results with PQL above one or more assessment criteria

EIL - ecological investigation level

EGV - ecological guideline level

ESL - ecological screening level

HIL - health investigation level

HSL - health screening level

ML - management limit

PQL - laboratory practical quantitation limit

Field duplicate is below primary sample

Guideline Notes:

¹Total chromium used as a screen for chromium VI. Guideline applies to chromium VI only

²Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used

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Table 1A: Summary of laboratory results - soil contaminated land

	OPP			PFAS		
	Total VIC OCP (Calc)	Total VIC other OCP (Calc)	pH 1:5 soil:water	Perfluorooctane sulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorohexane sulfonic acid (PFHxS)
Units	mg/kg	mg/kg	units	mg/kg	mg/kg	mg/kg
HIL-D	-	-	-	-	-	-
HSL-D Sand <1m	-	-	-	-	-	-
HSL-D Sand 1m - 2m	-	-	-	-	-	-
HSL-D Sand 2m - 4m	-	-	-	-	-	-
HSL-D Sand >4m	-	-	-	-	-	-
HSL-D Clay <1m	-	-	-	-	-	-
HSL-D Clay 1m - 2m	-	-	-	-	-	-
HSL-D Clay 2m - 4m	-	-	-	-	-	-
HSL-D Clay >4m	-	-	-	-	-	-
EIL, Commercial & industrial	-	-	-	-	-	-
ESL-D Coarse	-	-	-	-	-	-
ESL-D Fine	-	-	-	-	-	-
ML-D Coarse	-	-	-	-	-	-
ML-D Fine	-	-	-	-	-	-
Location	Depth	Date	Matrix Description			
BH01	0m - 0.1m	28/01/2026	FILL - Gravelly SAND	-	-	-
	7.2m - 7.3m	28/01/2026	Silty CLAY	-	-	-
BH02	0.5m - 0.6m	5/02/2026	FILL - Sandy CLAY	< 0.85	< 0.6	9.2
	1m - 1.1m	5/02/2026	FILL - Sandy CLAY	-	-	-
	4m - 4.1m	5/02/2026	Silty CLAY	-	-	-
BH04	0m - 0.1m	27/01/2026	FILL - Gravelly SAND	-	-	-
	2m - 2.1m	27/01/2026	Silty CLAY	< 0.85	< 0.6	10
BH05	0.4m - 0.5m	2/02/2026	FILL - Sandy CLAY	-	-	-
	4m - 4.1m	2/02/2026	Silty CLAY	-	-	-
BH07	0.4m - 0.5m	2/02/2026	FILL - Sandy CLAY	-	-	-
BH08	0m - 0.1m	22/01/2026	FILL - Gravelly SAND	-	-	-
	3m - 3.1m	22/01/2026	Silty CLAY	-	-	-
BH09	0.4m - 0.5m	21/01/2026	FILL - Sandy CLAY	-	-	-
BH10	0.5m - 0.6m	3/02/2026	FILL - Sandy CLAY	-	-	-
	3m - 3.1m	3/02/2026	Silty CLAY	-	-	-
BH11	0m - 0.1m	4/02/2026	FILL - Gravelly SAND	-	-	-
	2m - 2.1m	4/02/2026	Silty CLAY	-	-	-
	4m - 4.1m	4/02/2026	Silty CLAY	-	-	-
BH12	0.5m - 0.6m	21/01/2026	FILL - Gravelly SAND	-	-	-
	1.9m - 2m	21/01/2026	Silty CLAY	-	-	-
BH13	0m - 0.1m	5/02/2026	FILL - Gravelly SAND	-	-	-
	2m - 2.1m	5/02/2026	Silty CLAY	-	-	-
BH14	0.4m - 0.5m	27/01/2026	FILL - Sandy CLAY	-	-	-
	2m - 2.1m	27/01/2026	Silty CLAY	-	-	-
BH15	0.5m - 0.6m	3/02/2026	FILL - Sandy CLAY	-	-	-
	3m - 3.1m	3/02/2026	Silty CLAY	-	-	-
BH16	0.5m - 0.6m	23/01/2026	FILL - Gravelly CLAY	-	-	-
	2m - 2.1m	23/01/2026	Silty CLAY	-	-	-
BH17	0.5m - 0.6m	22/01/2026	FILL - Sandy CLAY	< 0.85	< 0.6	10.2

Criteria adopted from the following guidelines:

CRC, NEPC, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013), Table 1B(1), Table 1B(2), Table 1B(3), Table 1B(4), Table 1B(5)

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Notes:

This table does not represent the full analytical results, please refer to the laboratory certificate(s) for full details

Results displayed in grey text recorded below the laboratory practical quantitation limit (PQL)

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ESL - ecological screening level

HIL - health investigation level

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ML - management limit

PQL - laboratory practical quantitation limit

Field duplicate is below primary sample

Guideline Notes:

¹Total chromium used as a screen for chromium VI. Guideline applies to chromium VI only

²Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used

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Table 1A: Summary of laboratory results - soil contaminated land

	OPP			pH 1:5 soil:water	PFAS		
	Total VIC OCP (Calc)	Total VIC other OCP (Calc)	Units		Perfluorooctane sulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorohexane sulfonic acid (PFHxS)
Units	mg/kg	mg/kg	units	mg/kg	mg/kg	mg/kg	
HIL-D	-	-	-	-	-	-	
HSL-D Sand <1m	-	-	-	-	-	-	
HSL-D Sand 1m - 2m	-	-	-	-	-	-	
HSL-D Sand 2m - 4m	-	-	-	-	-	-	
HSL-D Sand >4m	-	-	-	-	-	-	
HSL-D Clay <1m	-	-	-	-	-	-	
HSL-D Clay 1m - 2m	-	-	-	-	-	-	
HSL-D Clay 2m - 4m	-	-	-	-	-	-	
HSL-D Clay >4m	-	-	-	-	-	-	
EIL, Commercial & industrial	-	-	-	-	-	-	
ESL-D Coarse	-	-	-	-	-	-	
ESL-D Fine	-	-	-	-	-	-	
ML-D Coarse	-	-	-	-	-	-	
ML-D Fine	-	-	-	-	-	-	
Location	Depth	Date	Matrix Description				
	0m - 0.1m	28/01/2026	FILL - Gravelly SAND	-	-	-	
	0.4m - 0.5m	28/01/2026	FILL - Sandy CLAY	< 0.85	< 0.6	10.4	
	2m - 2.1m	28/01/2026	Silty CLAY	-	-	-	
	3m - 3.1m	28/01/2026	Silty CLAY	-	-	-	
BH19	0m - 0.1m	23/01/2026	FILL - Gravelly SAND	-	-	-	
BH20	0.5m - 0.6m	22/01/2026	FILL - Sandy CLAY	-	-	-	
	0.4m - 0.5m	22/01/2026	FILL - Silty CLAY	< 0.85	< 0.6	9.4	
	1m - 1.1m	22/01/2026	Silty CLAY	-	-	-	
TP01	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	-	-	-	
	1m - 1.1m	28/01/2026	Silty CLAY	-	-	-	
TP02	1m - 1.1m	28/01/2026	Silty CLAY	-	-	-	
	0.4m - 0.5m	27/01/2026	FILL - CLAY	-	-	-	
	1m - 1.1m	27/01/2026	CLAY	-	-	-	
TP06	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	-	-	-	
TP08	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	-	-	-	
TP09	0.1m - 0.2m	28/01/2026	FILL - Sandy GRAVEL	-	-	-	
TP11	0.8m - 0.9m	27/01/2026	FILL - Gravelly CLAY	-	-	-	
TP14	0.1m - 0.2m	28/01/2026	FILL - Clayey GRAVEL	-	-	-	
TP15	0.5m - 0.6m	28/01/2026	FILL - Silty CLAY	-	-	-	
TP17	0.8m - 0.9m	28/01/2026	Silty CLAY	-	-	-	
	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	-	-	-	
	1m - 1.1m	27/01/2026	CLAY	-	-	-	
TP20	0m - 0.1m	27/01/2026	FILL - Sandy GRAVEL	-	-	-	
	1m - 1.1m	27/01/2026	CLAY	-	-	-	

Criteria adopted from the following guidelines:

CRC, NEPC, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013), Table 1B(1), Table 1B(2), Table 1B(3), Table 1B(4), Table 1B(5)
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Field duplicate is below primary sample

Guideline Notes:

¹Total chromium used as a screen for chromium VI. Guideline applies to chromium VI only

²Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used

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Inputs	
Select contaminant from list below	
As	
Below needed to calculate fresh and aged ACLs	
Below needed to calculate fresh and aged ABCs	
or for fresh ABCs only	
or for aged ABCs only	

Outputs		
Land use	Arsenic generic EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	20	40
Urban residential and open public spaces	50	100
Commercial and industrial	80	160

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CERTIFICATE OF ANALYSIS

Batch No: 26-10767

Final Report 331811

Client: Douglas Partners Pty Ltd

Contact: Avi Poonyth

Address: 231 Normanby Road
SOUTH MELBOURNE
VIC 3205
AUSTRALIA

Client Program Ref: 239629-00 Brooklyn

ALS Program Ref: DOUGLAS

PO No: ME222358

Laboratory

Address

Phone

Fax

Contact:

Date Sampled:

Date Samples Received:

Date Issued:

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Scoresby Laboratory
Caribbean Business Park,
22 Dalmore Drive,
Scoresby,
VIC 3179
03 8756 8000
03 9763 1862

Tuyen Nguyen
Client Manager
Tuyen.Nguyen@alsglobal.com

21-Jan-2026 - 27-Jan-2026

29-Jan-2026

05-Feb-2026

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>	<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>	<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>
BTEXN	WP074	Scoresby	CHC	WP084	Scoresby			
Cyanide	WK026SF	Scoresby	PFAS	EP231X	Scoresby			
Total Fluoride	QWI-EN. WK040T	Scoresby	HVOL	WP074	Scoresby			
MAH	WP125 & WP074	Scoresby	MS Total Metals	WG020B	Scoresby			
OCP	WP068A	Scoresby	PAH	WP075B	Scoresby			
PCB	WP066	Scoresby	pH	EA002	Scoresby			
Phenols(Halo)	WP075A	Scoresby	Phenols(NonHalo)	WP075A	Scoresby			
CHC Sum	WP084	Scoresby	Total Cr 6+ DA	EG048G	Scoresby			
TRH F2	# WP071	Scoresby	TRH & TPH (>C10)	WP071	Scoresby			
TRH (C6-C10) & F1	WP074 (F 1 not NATA)	Scoresby						

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Measurement Uncertainties values for your compliance results are available at this link

Signatories

<i>Name</i>	<i>Title</i>	<i>Name</i>	<i>Title</i>
Alan Chung	Team Leader Metals	Amanda Harcourt	Chemist
Chatura Perera	Team Leader Nutrients	Jessica Kelly	Chemist / Analyst
Kosta Christopoulos	Team Leader Organics	Mathew Fordham	Senior Chemist

Results contained within this report relate only to the samples tested. The report shall not be reproduced, except in full.

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil Analysis

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	Total Fluoride	pH	Cyanide	Total Cr 6+ DA
				FLUORIDE_SED mg/kg	PH_SED Units	CYANIDE mg/kg	TOTAL CHROMIUM 6 +
12152494	22-01-26	BH17/0.5-0.6	SOIL	600	10.2	<5	<1
12152502	22-01-26	BH21/0.4-0.5	SOIL	290	9.4	<5	<1

Soil Metals

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
				AS mg/kg	CD mg/kg	CR mg/kg	CU mg/kg	PB mg/kg	HG mg/kg	MO mg/kg	NI mg/kg
12152482	21-01-26	BH09/0.4-0.5	SOIL	5	<0.2	24	18	15	<0.05	<5	41
12152485	21-01-26	BH12/0.5-0.6	SOIL	<5	<0.2	18	16	17	<0.05	<5	37
12152487	21-01-26	BH12/1.9-2.0	SOIL	<5	<0.2	29	18	23	0.06	<5	70
12152488	22-01-26	BH08/0.0-0.1	SOIL	<5	<0.2	19	16	18	<0.05	<5	29
12152492	22-01-26	BH08/3.0-3.1	SOIL	<5	<0.2	72	9	9	<0.05	<5	31
12152494	22-01-26	BH17/0.5-0.6	SOIL	12	<0.2		17	14	<0.05	<5	33
12152499	22-01-26	BH20/0.5-0.6	SOIL	5	<0.2	29	12	11	<0.05	<5	7
12152502	22-01-26	BH21/0.4-0.5	SOIL	<5	<0.2		9	10	<0.05	<5	30
12152503	22-01-26	BH21/1.0-1.1	SOIL	<5	<0.2	33	21	15	<0.05	<5	43
12152504	27-01-26	TP04/0.4-0.5	SOIL	<5	<0.2	36	21	9	<0.05	<5	61
12152505	27-01-26	TP04/1.0-1.1	SOIL	<5	<0.2	38	6	12	<0.05	<5	25
12152507	27-01-26	TP06/0.0-0.1	SOIL	<5	<0.2	15	16	17	<0.05	<5	31
12152509	27-01-26	TP11/0.8-0.9	SOIL	<5	<0.2	40	8	10	<0.05	<5	26
12152512	27-01-26	TP18/0.0-0.1	SOIL	<5	<0.2	18	31	20	<0.05	<5	34
12152513	27-01-26	TP18/1.0-1.1	SOIL	<5	<0.2	30	<5	11	<0.05	<5	15
12152516	27-01-26	TP20/0.0-0.1	SOIL	<5	<0.2	19	19	17	<0.05	<5	33
12152517	27-01-26	TP20/1.0-1.1	SOIL	<5	<0.2	65	8	9	<0.05	<5	29

Samples not collected by ALS and are tested as received.

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Planning Application Number: P0588/2025

A blank space indicates no test performed. Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil Metals			Analysis:	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
				SE mg/kg	AG mg/kg	SN mg/kg	ZN mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type				
12152482	21-01-26	BH09/0.4-0.5	SOIL	<3	<5	<5	63
12152485	21-01-26	BH12/0.5-0.6	SOIL	<3	<5	<5	46
12152487	21-01-26	BH12/1.9-2.0	SOIL	<3	<5	<5	36
12152488	22-01-26	BH08/0.0-0.1	SOIL	<3	<5	<5	46
12152492	22-01-26	BH08/3.0-3.1	SOIL	<3	<5	<5	19
12152494	22-01-26	BH17/0.5-0.6	SOIL	<3	<5	<5	29
12152499	22-01-26	BH20/0.5-0.6	SOIL	<3	<5	<5	10
12152502	22-01-26	BH21/0.4-0.5	SOIL	<3	<5	<5	22
12152503	22-01-26	BH21/1.0-1.1	SOIL	<3	<5	<5	75
12152504	27-01-26	TP04/0.4-0.5	SOIL	<3	<5	<5	39
12152505	27-01-26	TP04/1.0-1.1	SOIL	<3	<5	<5	14
12152507	27-01-26	TP06/0.0-0.1	SOIL	<3	<5	<5	53
12152509	27-01-26	TP11/0.8-0.9	SOIL	<3	<5	<5	15
12152512	27-01-26	TP18/0.0-0.1	SOIL	<3	<5	<5	64
12152513	27-01-26	TP18/1.0-1.1	SOIL	<3	<5	<5	12
12152516	27-01-26	TP20/0.0-0.1	SOIL	<3	<5	<5	67
12152517	27-01-26	TP20/1.0-1.1	SOIL	<3	<5	<5	30

Soil MAH			Analysis:	MAH	MAH	MAH	MAH	MAH	MAH
				BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	XYLENES mg/kg	STYRENE mg/kg	CUMENE/ISOPROPY L BENZENE/EMB mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type						
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil BTEXN			Analysis:	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN
				BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	XYLENE-MP mg/kg	XYLENE-O mg/kg	NAPHTHALENE mg/kg	TOTAL XYLENES mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12152482	21-01-26	BH09/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152485	21-01-26	BH12/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152488	22-01-26	BH08/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152499	22-01-26	BH20/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152504	27-01-26	TP04/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152507	27-01-26	TP06/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152509	27-01-26	TP11/0.8-0.9	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152512	27-01-26	TP18/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12152516	27-01-26	TP20/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1

Soil TRH/TPH (Volatile)			Analysis:	TRH (C6-C10) & F1	TRH (C6-C10) & F1	TRH (C6-C10) & F1
				TPH_C6-C9 mg/kg	TRH_C6-C10 mg/kg	TRH_C6-C10 minus BTEX mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type			
12152482	21-01-26	BH09/0.4-0.5	SOIL	<20	<20	<20
12152485	21-01-26	BH12/0.5-0.6	SOIL	<20	<20	<20
12152488	22-01-26	BH08/0.0-0.1	SOIL	<20	<20	<20
12152494	22-01-26	BH17/0.5-0.6	SOIL	<20	<20	<20
12152499	22-01-26	BH20/0.5-0.6	SOIL	<20	<20	<20
12152502	22-01-26	BH21/0.4-0.5	SOIL	<20	<20	<20
12152504	27-01-26	TP04/0.4-0.5	SOIL	<20	<20	<20
12152507	27-01-26	TP06/0.0-0.1	SOIL	<20	<20	<20
12152509	27-01-26	TP11/0.8-0.9	SOIL	<20	<20	<20
12152512	27-01-26	TP18/0.0-0.1	SOIL	<20	<20	<20
12152516	27-01-26	TP20/0.0-0.1	SOIL	<20	<20	<20

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil TRH/TPH			Analysis:	TRH F2	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	TRH>C10-C16 minus NAP mg/kg	TPH C10-C14 mg/kg	TPH C15-C28 mg/kg	TPH C29-C36 mg/kg	Sum of TPH C10-C36 mg/kg	TRH>C10-C16 mg/kg	TRH>C16-C34 mg/kg	TRH>C34-C40 mg/kg
12152482	21-01-26	BH09/0.4-0.5	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12152485	21-01-26	BH12/0.5-0.6	SOIL	<20	<20	50	91	140	<20	110	99
12152488	22-01-26	BH08/0.0-0.1	SOIL	<20	<20	<50	95	95	<20	100	130
12152494	22-01-26	BH17/0.5-0.6	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12152499	22-01-26	BH20/0.5-0.6	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12152502	22-01-26	BH21/0.4-0.5	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12152504	27-01-26	TP04/0.4-0.5	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12152507	27-01-26	TP06/0.0-0.1	SOIL	<20	<20	<50	68	68	<20	82	63
12152509	27-01-26	TP11/0.8-0.9	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12152512	27-01-26	TP18/0.0-0.1	SOIL	<20	<20	82	110	190	<20	150	110
12152516	27-01-26	TP20/0.0-0.1	SOIL	<20	<20	96	97	190	<20	160	74

Soil TRH/TPH			Analysis:	TRH & TPH (>C10)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	Sum of TRH>C10-C4 0 mg/kg
12152482	21-01-26	BH09/0.4-0.5	SOIL	<50
12152485	21-01-26	BH12/0.5-0.6	SOIL	210
12152488	22-01-26	BH08/0.0-0.1	SOIL	230
12152494	22-01-26	BH17/0.5-0.6	SOIL	<50
12152499	22-01-26	BH20/0.5-0.6	SOIL	<50
12152502	22-01-26	BH21/0.4-0.5	SOIL	<50
12152504	27-01-26	TP04/0.4-0.5	SOIL	<50
12152507	27-01-26	TP06/0.0-0.1	SOIL	140
12152509	27-01-26	TP11/0.8-0.9	SOIL	<50
12152512	27-01-26	TP18/0.0-0.1	SOIL	260
12152516	27-01-26	TP20/0.0-0.1	SOIL	230

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				ACENAPHTHENE mg/kg	ACENAPHTHYLENE mg/kg	ANTHRACENE mg/kg	BENZ(A)ANTHRACE NE mg/kg	BENZO(A)PYRENE mg/kg	BENZO(B)FLUORAN THENE mg/kg	BENZO(GHI)PERYLE NE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12152482	21-01-26	BH09/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152485	21-01-26	BH12/0.5-0.6	SOIL	<0.3	<0.3	0.3	0.6	0.6	0.5	0.4
12152488	22-01-26	BH08/0.0-0.1	SOIL	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152499	22-01-26	BH20/0.5-0.6	SOIL	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152504	27-01-26	TP04/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152507	27-01-26	TP06/0.0-0.1	SOIL	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
12152509	27-01-26	TP11/0.8-0.9	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152512	27-01-26	TP18/0.0-0.1	SOIL	<0.3	<0.3	<0.3	0.6	0.6	0.5	0.4
12152516	27-01-26	TP20/0.0-0.1	SOIL	<0.3	<0.3	<0.3	0.6	0.6	0.4	0.4

Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				CHRYSENE mg/kg	DIBENZ(AH)ANTHRA CENE mg/kg	FLUORANTHENE mg/kg	FLUORENE mg/kg	INDENO(123-CD)PY RENE mg/kg	NAPHTHALENE mg/kg	PHENANTHRENE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12152482	21-01-26	BH09/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152485	21-01-26	BH12/0.5-0.6	SOIL	0.5	<0.3	1.4	<0.3	0.3	<0.3	1.3
12152488	22-01-26	BH08/0.0-0.1	SOIL	<0.3	<0.3	0.6	<0.3	<0.3	<0.3	0.6
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
12152499	22-01-26	BH20/0.5-0.6	SOIL	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152504	27-01-26	TP04/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152507	27-01-26	TP06/0.0-0.1	SOIL	<0.3	<0.3	0.3	<0.3	<0.3	<0.3	0.4
12152509	27-01-26	TP11/0.8-0.9	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152512	27-01-26	TP18/0.0-0.1	SOIL	0.5	<0.3	1.1	<0.3	0.3	<0.3	0.4
12152516	27-01-26	TP20/0.0-0.1	SOIL	0.5	<0.3	1.3	<0.3	<0.3	<0.3	0.8

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH				
				TOTAL PAHS mg/kg	BAP_TEQ_(ZERO) mg/kg	BAP_TEQ_(HALF_L OR) mg/kg	BAP_TEQ_(LOR) mg/kg	p-Terphenyl-d14-SUR R %				
Sample	Sampled Date	Your Ref	Component: Units: Sample Type									
12152482	21-01-26	BH09/0.4-0.5	SOIL	<0.1	<0.1	0.1	0.2	128				
12152485	21-01-26	BH12/0.5-0.6	SOIL	7.6	0.8	0.9	1.1	100				
12152488	22-01-26	BH08/0.0-0.1	SOIL	1.7	<0.1	0.4	0.7	100				
12152494	22-01-26	BH17/0.5-0.6	SOIL	0.4	<0.1	0.1	0.2	102				
12152499	22-01-26	BH20/0.5-0.6	SOIL	0.4	<0.1	0.1	0.2	104				
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.1	<0.1	0.1	0.2	99				
12152504	27-01-26	TP04/0.4-0.5	SOIL	<0.1	<0.1	0.1	0.2	104				
12152507	27-01-26	TP06/0.0-0.1	SOIL	0.7	<0.1	0.4	0.7	100				
12152509	27-01-26	TP11/0.8-0.9	SOIL	<0.1	<0.1	0.1	0.2	118				
12152512	27-01-26	TP18/0.0-0.1	SOIL	6.0	0.8	0.9	1.1	100				
12152516	27-01-26	TP20/0.0-0.1	SOIL	6.2	0.7	0.9	1.1	100				

Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP	
				A-BHC mg/kg	A-ENDOSULPHAN mg/kg	ALDRIN mg/kg	B-BHC mg/kg	B-ENDOSULPHAN mg/kg	CHLORDANE mg/kg	C-CHLORDANE mg/kg	TRANS-CHLORDAN E mg/kg	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type									
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	

Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP	
				D-BHC mg/kg	DDD mg/kg	DDE mg/kg	DDT mg/kg	DIELDRIN mg/kg	ENDOSULPHAN mg/kg	ENDOSULFAN SULPHATE mg/kg	ENDRIN mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type								
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP
				ENDRIN ALDEHYDE	ENDRIN KETONE	HEXACHLOROBENZENE	HEPTACHLOREPOXIDE	HEPTACHLOR	LINDANE	METHOXYCHLOR
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP
				DDD & DDE & DDT	ALDRIN & DIELDRIN	2456-tetrachloro-m-xylene-SURR
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	mg/kg	mg/kg	%
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.05	<0.05	99
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.05	<0.05	96

Soil PCBs			Analysis:	PCB	PCB	PCB	PCB	PCB	PCB	PCB
				AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PCBs			Analysis:	PCB
				2-fluorobiphenyl-SURR
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	R
12152494	22-01-26	BH17/0.5-0.6	SOIL	93
12152502	22-01-26	BH21/0.4-0.5	SOIL	88

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil CHCs			Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	1234TETRACHLORO BENZENE mg/kg	1235TETRACHLOROB ENZENE mg/kg	123TRICHLOROBEN ZENE mg/kg	1245TETRACHLORO BENZENE mg/kg	124TRICHLOROBEN ZENE mg/kg	12-DICHLOROBENZ ENE mg/kg	135TRICHLOROBEN ZENE mg/kg	13-DICHLOROBENZ ENE mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil CHCs			Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	14-DICHLOROBENZ ENE mg/kg	2 CHLORONAPHTHAL ENE mg/kg	BENZAL CHLORIDE mg/kg	BENZOTRICHLORID E mg/kg	BENZYLCHLORIDE mg/kg	HEXACHLOROETHA NE mg/kg	HEXACHLOROBUTA DIENE mg/kg	HEXACHLOROCYCL OPENTADIENE mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil CHCs			Analysis:	CHC	CHC Sum
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	PENTACHLOROBEN ZENE mg/kg	CHC SUM mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.1	<1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.1	<1

Phenols (Halogenated)			Analysis:	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	4-CHLORO-3-METHY LPHENOL mg/kg	2-CHLOROPHENOL mg/kg	24-DICHLOROPHEN OL mg/kg	26-DICHLOROPHEN OL mg/kg	PENTACHLOROPHE NOL mg/kg	2345 TETRACHLOROPHE NOL	2346 TETRACHLOROPHE NOL	2356 TETRACHLOROPHE NOL
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Samples not collected by ALS and are tested as received.

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 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

			Analysis:	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	245-TRICHLOROPH ENOL mg/kg	246-TRICHLOROPH ENOL mg/kg	TOTAL PHENOLS (H ALOGENATED) mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	<0.5
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	<0.5

			Analysis:	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	PHENOL mg/kg	TOTAL CRESOLS mg/kg	24-DIMETHYL PHENOL mg/kg	24-DINITROPHENOL mg/kg	2-METHYL-46-DINIT ROPHENOL mg/kg	2-NITROPHENOL mg/kg	4-NITROPHENOL mg/kg	2-CYCLOHEXYL-46- DINITROPHENOL mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30

			Analysis:	Phenols(NonHalo)	Phenols(NonHalo)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	DINOSEB mg/kg	TOTAL PHENOLS (N ON HALOGENATED) mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<10	<30
12152502	22-01-26	BH21/0.4-0.5	SOIL	<10	<30

			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	1112TCAN mg/kg	1122TCAN mg/kg	11DCANE mg/kg	11DCENE mg/kg	11DCPENE mg/kg	123TCPAN mg/kg	12DB3CLP mg/kg	12DCENEC mg/kg
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Samples not collected by ALS and are tested as received.

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 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				12DCENET mg/kg	12DCLANE mg/kg	12DCLPANE mg/kg	13DCLPANE mg/kg	13DCLPRC mg/kg	13DCLPRT mg/kg	22DCPANE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				4CLTOL mg/kg	BCLMANE mg/kg	BDCMANE mg/kg	BRBENZ mg/kg	BROMOFOR mg/kg	CARTET mg/kg	CHCL3 mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				DBCLMANE mg/kg	DBMANE mg/kg	12DBRANE mg/kg	DCM mg/kg	TCLFMANE mg/kg	TETCENE mg/kg	VCL mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<1	<2	<0.5	<1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<1	<2	<0.5	<1

Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL
				112TCANE mg/kg	TRICENE mg/kg	Toluene-d8-SURR %	14-Dichloroethane-d4-SURR %
Sample	Sampled Date	Your Ref	Component: Units: Sample Type				
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.5	<0.5	112.1	135.1
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.5	<0.5	106.4	133.25

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Batch No: 26-10767
 Report Number: 331811
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



PFAS			Analysis:	PFAS	PFAS	PFAS
				PERFLUOROHXAN E SULFONIC ACID (P FHxS)	PERFLUOROOC TAN E SULFONIC ACID (P FOS)	PERFLUOROOC TAN OIC ACID (PFOA) mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type			
12152494	22-01-26	BH17/0.5-0.6	SOIL	<0.0002	<0.0002	<0.0002
12152502	22-01-26	BH21/0.4-0.5	SOIL	<0.0002	<0.0002	<0.0002

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QUALITY CONTROL REPORT

Program	: DOUGLAS	Page	: 1 of 42
Client	: DOUGLAS	Laboratory	: Scoresby Laboratory
Contact	:	Telephone	: 03 8756 8000
Project	: 26-10767	Date Samples Received	: 29-January-2026
Customer Ref	: 239629-00 Brooklyn	Issue Date	: 05-February-2026
Sampler	:	No. Samples Received	: 37
Order Number	: ME222358	No. Samples Analysed	: 17

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal and external review. Many components of this report contribute to the overall Quality assessment.

Brief method summaries and references are also provided to assist in traceability.

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Brief Method Summaries

The analytical procedures used by the Water Business have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at client request. The following table provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
BTEXN	WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve.
CHCS	WP084	SOIL	In-house: Referenced to US EPA, method 8270, 8121, 3510, 3540. Water samples are extracted with dichloromethane. Soil sediment and slurry samples are extracted with a dichloromethane: acetone mixture. Extracts are then analysed on a GCMS.
S-CN	WK026SF	SOIL	In-house: Referenced to APHA 4500-CN C / ASTM D7511. Caustic leachates of soil samples are determined on an automated segmented flow analyser.
PFOS/PFOA	EP231X	SOIL	In-house: Analysis of soils for PFAS by solvent extraction followed by LC-Electrospray-MS-MS using MRM. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.
FLUORIDE SED TOT	QWI-EN.WK 040T	SOIL	In-house: This method describes the determination of fluoride in soils and sediments.
HVOLs	WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve.
MAHs	WP125 & WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Leachate samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve.
MS Metals Rev Aq Reg	WG020B	SOIL	MS Metals Rev Aq Reg
OCP_SOIL	WP068A	SOIL	In-house: Referenced to US EPA, Method 8270E, 8081, 3510, 3540. This document describes the methods used for the extraction of organochlorine pesticides (OCP) from samples & their subsequent determination and quantitation by GC-MS.
PAHs in Soil	WP075B	SOIL	In house: Referenced to USEPA SW 846 - 8270E. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve.
PCBs in sediments	WP066	SOIL	Polychlorinated biphenyl
PH UNITS SEDIMENT	EA002	SOIL	In-house: APHA 4500H+. pH measurement is the determination of the activity of hydrogen ions by potentiometric measurement using electrodes. This method details the determination of pH value of soil, using a 1:5 soil / water leach procedure.
Phenols (Hal)	WP075A	SOIL	In-house: Referenced to USEPA SW 846 - 8270E This method is designed to determine the concentration of individual phenols in soil, sludge, sediment, water, TCLP, and ASLP samples by GCMS.
Phenols (Non Hal)	WP075A	SOIL	In-house: Referenced to USEPA SW 846 - 8270E This method is designed to determine the concentration of individual phenols in soil, sludge, sediment, water, TCLP, and ASLP samples. .
CHC Sum	WP084	SOIL	In-house: Referenced to US EPA, method 8270, 8121, 3510, 3540. Water samples are extracted with dichloromethane. Soil sediment and slurry samples are extracted with a dichloromethane: acetone mixture. Extracts are then analysed on a GCMS.
Chromium 6+ DA	EG048G	SOIL	In-house: Referenced to USEPA SW846, Method 3060A. Hexavalent chromium is extracted by alkaline digestion. The digest is determined by photometrically by automatic discrete analyser, following pH adjustment.
TRH F2	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C16.

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TRH & TPH >C10	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range > C10 - C40.
TRH & TPH C6-C10	WP074 (F1 not NATA)	SOIL	Total Recoverable Hydrocarbons (C6-C10) & F1
S-TS-FCALC		SOIL	FOR CALCULATION PURPOSES ONLY Total Solids for Soil

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Analysis Holding Time Compliance

Holding times may vary depending on test and preservation used. If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results. This report summarizes extraction / preparation and analysis times and compares each with ALS Water recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns.

Method	Extraction / Preparation				Analysis		
Sample Number	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
WP074 :BTEXN							
12152482	21-Jan-2026	5-Feb-2026	30-Jan-2026	✓	05-Feb-2026	30-Jan-2026	✓
12152485	21-Jan-2026	5-Feb-2026	30-Jan-2026	✓	05-Feb-2026	30-Jan-2026	✓
12152488	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152494	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152499	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152502	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152504	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152507	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152509	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152512	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152516	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
WP084 :CHCS							
12152494	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152502	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
WK026SF :S-CN							
12152494	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152502	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
EP231X :PFOS/PFOA							
12152494	22-Jan-2026	30-Jul-2026	2-Feb-2026	✓	30-Jul-2026	02-Feb-2026	✓
12152502	22-Jan-2026	30-Jul-2026	2-Feb-2026	✓	30-Jul-2026	02-Feb-2026	✓
QWI-EN.WK040T :FLUORIDE SED TOT							
12152494	22-Jan-2026	19-Feb-2026	30-Jan-2026	✓	21-Mar-2026	30-Jan-2026	✓
12152502	22-Jan-2026	19-Feb-2026	30-Jan-2026	✓	21-Mar-2026	30-Jan-2026	✓
WP074 :HVOLs							
12152494	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152502	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
WP125 & WP074 :MAHs							
12152494	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152502	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓

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WG020B :MS Metals Rev Aq Reg	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152482	21-Jan-2026	29-Jul-2026	3-Feb-2026	✓	29-Jul-2026	03-Feb-2026	✓
12152485	21-Jan-2026	29-Jul-2026	3-Feb-2026	✓	29-Jul-2026	03-Feb-2026	✓
12152488	22-Jan-2026	30-Jul-2026	3-Feb-2026	✓	30-Jul-2026	03-Feb-2026	✓
12152494	22-Jan-2026	30-Jul-2026	3-Feb-2026	✓	30-Jul-2026	03-Feb-2026	✓
12152499	22-Jan-2026	30-Jul-2026	3-Feb-2026	✓	30-Jul-2026	03-Feb-2026	✓
12152502	22-Jan-2026	30-Jul-2026	3-Feb-2026	✓	30-Jul-2026	03-Feb-2026	✓
12152504	27-Jan-2026	3-Aug-2026	3-Feb-2026	✓	03-Aug-2026	03-Feb-2026	✓
12152507	27-Jan-2026	3-Aug-2026	3-Feb-2026	✓	03-Aug-2026	03-Feb-2026	✓
12152509	27-Jan-2026	3-Aug-2026	3-Feb-2026	✓	03-Aug-2026	03-Feb-2026	✓
12152512	27-Jan-2026	3-Aug-2026	3-Feb-2026	✓	03-Aug-2026	03-Feb-2026	✓
12152516	27-Jan-2026	3-Aug-2026	3-Feb-2026	✓	03-Aug-2026	03-Feb-2026	✓
12152487	21-Jan-2026	29-Jul-2026	3-Feb-2026	✓	29-Jul-2026	03-Feb-2026	✓
12152492	22-Jan-2026	30-Jul-2026	3-Feb-2026	✓	30-Jul-2026	03-Feb-2026	✓
12152503	22-Jan-2026	30-Jul-2026	3-Feb-2026	✓	30-Jul-2026	03-Feb-2026	✓
12152505	27-Jan-2026	3-Aug-2026	3-Feb-2026	✓	03-Aug-2026	03-Feb-2026	✓
12152513	27-Jan-2026	3-Aug-2026	3-Feb-2026	✓	03-Aug-2026	03-Feb-2026	✓
12152517	27-Jan-2026	26-Jul-2026	3-Feb-2026	✓	26-Jul-2026	03-Feb-2026	✓
WP068A :OCP_SOIL	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152494	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152502	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
WP075B :PAHs in Soil	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152482	21-Jan-2026	4-Feb-2026	29-Jan-2026	✓	18-Mar-2026	29-Jan-2026	✓
12152485	21-Jan-2026	4-Feb-2026	29-Jan-2026	✓	18-Mar-2026	29-Jan-2026	✓
12152488	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152494	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152499	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152502	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152504	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152507	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152509	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152512	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152516	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
WP066 :PCBs in sediments	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152494	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152502	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
EA002 :PH UNITS SEDIMENT	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152494	22-Jan-2026	30-Jan-2026	29-Jan-2026	✓	30-Jan-2026	29-Jan-2026	✓
12152502	22-Jan-2026	30-Jan-2026	29-Jan-2026	✓	30-Jan-2026	29-Jan-2026	✓
WP075A :Phenols (Hal)	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152494	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152502	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓

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WP075A :Phenols (Non Hal)	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152494	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152502	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
EG048G :Chromium 6+ DA	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152494	22-Jan-2026	20-Feb-2026	29-Jan-2026	✓	20-Feb-2026	29-Jan-2026	✓
12152502	22-Jan-2026	20-Feb-2026	29-Jan-2026	✓	20-Feb-2026	29-Jan-2026	✓
WP071 :TRH F2	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152482	21-Jan-2026	21-Jan-2026		N/A	21-Jan-2026		N/A
12152485	21-Jan-2026	21-Jan-2026		N/A	21-Jan-2026		N/A
12152488	22-Jan-2026	22-Jan-2026		N/A	22-Jan-2026		N/A
12152494	22-Jan-2026	22-Jan-2026		N/A	22-Jan-2026		N/A
12152499	22-Jan-2026	22-Jan-2026		N/A	22-Jan-2026		N/A
12152502	22-Jan-2026	22-Jan-2026		N/A	22-Jan-2026		N/A
12152504	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
12152507	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
12152509	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
12152512	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
12152516	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
WP071 :TRH & TPH >C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152482	21-Jan-2026	4-Feb-2026	29-Jan-2026	✓	18-Mar-2026	29-Jan-2026	✓
12152485	21-Jan-2026	4-Feb-2026	29-Jan-2026	✓	18-Mar-2026	29-Jan-2026	✓
12152488	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152494	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152499	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152502	22-Jan-2026	5-Feb-2026	29-Jan-2026	✓	19-Mar-2026	29-Jan-2026	✓
12152504	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152507	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152509	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152512	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
12152516	27-Jan-2026	10-Feb-2026	29-Jan-2026	✓	23-Mar-2026	29-Jan-2026	✓
WP074 (F1 not NATA) :TRH & TPH C6-C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12152482	21-Jan-2026	5-Feb-2026	30-Jan-2026	✓	05-Feb-2026	30-Jan-2026	✓
12152485	21-Jan-2026	5-Feb-2026	30-Jan-2026	✓	05-Feb-2026	30-Jan-2026	✓
12152488	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152494	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152499	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152502	22-Jan-2026	6-Feb-2026	30-Jan-2026	✓	06-Feb-2026	30-Jan-2026	✓
12152504	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152507	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152509	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152512	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓
12152516	27-Jan-2026	10-Feb-2026	30-Jan-2026	✓	10-Feb-2026	30-Jan-2026	✓

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QUALITY CONTROL - BLANKS

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination.

Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value
12157171	QC - Blank	OCP_SOIL: 2456-tetrachloro-m-xylene-SURR		%	97
		OCP_SOIL: A-BHC	<0.05	mg/kg	<0.05
		OCP_SOIL: A-ENDOSULPHAN	<0.05	mg/kg	<0.05
		OCP_SOIL: ALDRIN	<0.05	mg/kg	<0.05
		OCP_SOIL: B-BHC	<0.05	mg/kg	<0.05
		OCP_SOIL: B-ENDOSULPHAN	<0.05	mg/kg	<0.05
		OCP_SOIL: C-CHLORDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: CHLORDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: D-BHC	<0.05	mg/kg	<0.05
		OCP_SOIL: DDD	<0.05	mg/kg	<0.05
		OCP_SOIL: DDE	<0.05	mg/kg	<0.05
		OCP_SOIL: DDT	<0.05	mg/kg	<0.05
		OCP_SOIL: DIELDRIN	<0.05	mg/kg	<0.05
		OCP_SOIL: ENDOSULFAN SULPHATE	<0.05	mg/kg	<0.05
		OCP_SOIL: ENDRIN	<0.05	mg/kg	<0.05
		OCP_SOIL: ENDRIN ALDEHYDE	<0.05	mg/kg	<0.05
		OCP_SOIL: ENDRIN KETONE	<0.05	mg/kg	<0.05
		OCP_SOIL: HEPTACHLOR	<0.05	mg/kg	<0.05
		OCP_SOIL: HEPTACHLOREPOXIDE	<0.05	mg/kg	<0.05
		OCP_SOIL: HEXACHLOROBENZENE	<0.05	mg/kg	<0.05
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.05

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					Sample Value
12157171	QC - Blank	OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.05
		OCP_SOIL: OXYCHLORDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.05
12157179	QC - Blank	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: p-Terphenyl-d14-SURR		%	97
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1
PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1		

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					Sample Value
12157187	QC - Blank	PCBs in sediments: 2-fluorobiphenyl-SURR		%	92
		PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1221	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1232	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1242	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1248	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1254	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1
		PCBs in sediments: TOTAL PCBs	<0.1	mg/kg	<0.1
12157202	QC - Blank	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.1
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.2
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1

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					Sample Value
12157202	QC - Blank	PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: p-Terphenyl-d14-SURR		%	104
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1
12157252	QC - Blank	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 1235TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1
		CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1

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					Sample Value
12157252	QC - Blank	CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1
12157293	QC - Blank	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): 24-DINITROPHENOL	<30	mg/kg	<30
		Phenols (Non Hal): 2-CYCLOHEXYL-46-DINITROPHENOL	<30	mg/kg	<30
		Phenols (Non Hal): 2-METHYL-46-DINITROPHENOL	<10	mg/kg	<10
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): 4-NITROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): DINOSEB	<10	mg/kg	<10
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1
		Phenols (Non Hal): TOTAL PHENOLS (NON HALOGENATED)	<30	mg/kg	<30
12157300	QC - Blank	Phenols (Hal): 2345 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 2356 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 245-TRICHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 246-TRICHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 24-DICHLOROPHENOL	<0.5	mg/kg	<0.5

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QUALITY CONTROL - BLANKS

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					Sample Value
12157300	QC - Blank	Phenols (Hal): 26-DICHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 2-CHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): PENTACHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): TOTAL PHENOLS (HALOGENATED)	<0.5	mg/kg	<0.5
12157714	QC - Blank	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50
12157833	QC - Blank	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50

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QUALITY CONTROL - BLANKS

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					Sample Value
12163247	QC - Blank	BTEXN: BENZENE	<0.5	mg/kg	<0.5
		BTEXN: BTEX (Sum)	<1	mg/kg	<1
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1
		BTEXN: XYLENE-MP	<1	mg/kg	<1
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5
12163255	QC - Blank	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20
12163541	QC - Blank	HVOLs: 1112TCAN	<0.5	mg/kg	<0.5
		HVOLs: 111TCANE	<0.5	mg/kg	<0.5
		HVOLs: 1122TCAN	<0.5	mg/kg	<0.5
		HVOLs: 112TCANE	<0.5	mg/kg	<0.5
		HVOLs: 11DCANE	<0.5	mg/kg	<0.5
		HVOLs: 11DCENE	<0.5	mg/kg	<0.5
		HVOLs: 11DCPENE	<0.5	mg/kg	<0.5
		HVOLs: 123TCPAN	<0.5	mg/kg	<0.5
		HVOLs: 12DB3CLP	<0.5	mg/kg	<0.5
		HVOLs: 12DBRANE	<0.5	mg/kg	<0.5

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					Sample Value
12163541	QC - Blank	HVOLs: 12DCENEC	<0.5	mg/kg	<0.5
		HVOLs: 12DCENET	<0.5	mg/kg	<0.5
		HVOLs: 12DCLANE	<0.5	mg/kg	<0.5
		HVOLs: 12DCLPANE	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPANE	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPRC	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPRT	<0.5	mg/kg	<0.5
		HVOLs: 14-Dichloroethane-d4-SURR		%	106.55
		HVOLs: 22DCPANE	<0.5	mg/kg	<0.5
		HVOLs: 2CLTOL	<0.5	mg/kg	<0.5
		HVOLs: 4CLTOL	<0.5	mg/kg	<0.5
		HVOLs: BCLMANE	<0.5	mg/kg	<0.5
		HVOLs: BDCMANE	<0.5	mg/kg	<0.5
		HVOLs: BRBENZ	<0.5	mg/kg	<0.5
		HVOLs: BROMOFOR	<0.5	mg/kg	<0.5
		HVOLs: CARTET	<0.5	mg/kg	<0.5
		HVOLs: CHCL3	<0.5	mg/kg	<0.5
		HVOLs: CHLOBENZ	<0.5	mg/kg	<0.5
		HVOLs: DBCLMANE	<0.5	mg/kg	<0.5
		HVOLs: DBMANE	<0.5	mg/kg	<0.5
HVOLs: DCM	<1	mg/kg	<1		

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					Sample Value
12163541	QC - Blank	HVOLs: TCLFMANE	<2	mg/kg	<2
		HVOLs: TETCENE	<0.5	mg/kg	<0.5
		HVOLs: Toluene-d8-SURR		%	106.05
		HVOLs: TRICENE	<0.5	mg/kg	<0.5
		HVOLs: VCL	<1	mg/kg	<1
12163544	QC - Blank	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<0.5
		MAHs: BENZENE	<0.5	mg/kg	<0.5
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<0.5
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<0.5
		MAHs: STYRENE	<0.5	mg/kg	<0.5
		MAHs: TOLUENE	<0.5	mg/kg	<0.5
		MAHs: XYLENES	<0.5	mg/kg	<0.5
12169309	QC - Blank	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	<0.0002
		PFOS/PFOA: PERFLUOROCTANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	<0.0002
		PFOS/PFOA: PERFLUOROCTANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002
12175193	QC - Blank	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5
		MS Metals Rev Aq Reg: AS	<5	mg/kg	<5
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2
		MS Metals Rev Aq Reg: CR	<5	mg/kg	<5
		MS Metals Rev Aq Reg: CU	<5	mg/kg	<5
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05

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					Sample Value
12175193	QC - Blank	MS Metals Rev Aq Reg: MO	<5	mg/kg	<5
		MS Metals Rev Aq Reg: NI	<5	mg/kg	<5
		MS Metals Rev Aq Reg: PB	<5	mg/kg	<5
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	<5

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Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Duplicate Value	% RPD
12157162	12148845	OCP_SOIL: 2456-tetrachloro-m-xylene-SURR		%	95	92	3.2
		OCP_SOIL: A-BHC	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: A-ENDOSULPHAN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ALDRIN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ALDRIN & DIELDRIN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: B-BHC	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: B-ENDOSULPHAN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: C-CHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: CHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: D-BHC	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DDD	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DDD & DDE & DDT	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DDE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DDT	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DIELDRIN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDOSULFAN SULPHATE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDOSULPHAN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDRIN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDRIN ALDEHYDE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDRIN KETONE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: HEPTACHLOR	<0.05	mg/kg	<0.05	<0.05	0

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					Sample Value	Duplicate Value	% RPD
12157162	12148845	OCP_SOIL: HEPTACHLOREPOXIDE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: HEXACHLOROBENZENE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: OXYCHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
12157173	12152242	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.4	0.4	0.0
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.7	0.7	0.0
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	0.7	0.4	50.0
PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.3	<0.3	0		

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					Sample Value	Duplicate Value	% RPD
12157173	12152242	PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	0.7	0.4	44.8
		PAHs in Soil: p-Terphenyl-d14-SURR		%	94	100	6.2
		PAHs in Soil: PYRENE	<0.1	mg/kg	0.7	0.4	47.6
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	2.1	1.2	54.5
12157184	12152494	PCBs in sediments: 2-fluorobiphenyl-SURR		%	93	91	2.2
		PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1221	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1232	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1242	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1248	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1254	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1	<0.1	0
12157200	12152482	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.1	0.1	0.0
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.2	0.2	0.0
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
12157200	12152482	PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: p-Terphenyl-d14-SURR		%	128	102	22.6
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1	<0.1	0
12157250	12152494	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 1235TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
12157250	12152494	CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
12157291	12152494	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): 24-DINITROPHENOL	<30	mg/kg	<30	<30	0
		Phenols (Non Hal): 2-CYCLOHEXYL-46-DINITROPHENOL	<30	mg/kg	<30	<30	0
		Phenols (Non Hal): 2-METHYL-46-DINITROPHENOL	<10	mg/kg	<10	<10	0
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): 4-NITROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): DINOSEB	<10	mg/kg	<10	<10	0
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1	<1	0
		Phenols (Non Hal): TOTAL PHENOLS (NON HALOGENATED)	<30	mg/kg	<30	<30	0
12157298	12152494	Phenols (Hal): 2345 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0

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					Sample Value	Duplicate Value	% RPD
12157298	12152494	Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2356 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 245-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 246-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 24-DICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 26-DICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2-CHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): PENTACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): TOTAL PHENOLS (HALOGENATED)	<0.5	mg/kg	<0.5	<0.5	0
12157710	12150161	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50	<50	0
12157830	12148843	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20	<20	0

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QUALITY CONTROL - DUPLICATES

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					Sample Value	Duplicate Value	% RPD
12157830	12148843	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50	<50	0
12158296	12128253	PH UNITS SEDIMENT: PH_SED	<0.1	Units	7.4	7.5	1.9
12163244	12156873	BTEXN: BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: BTEX (Sum)	<1	mg/kg	<1	<1	0
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-MP	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	<0.5	0
12163248	12152245	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20	<20	0
12163540	11873157	HVOLs: 1112TCAN	<0.5	mg/kg	<5	<5	0
		HVOLs: 111TCANE	<0.5	mg/kg	<5	<5	0
		HVOLs: 1122TCAN	<0.5	mg/kg	<5	<5	0
		HVOLs: 112TCANE	<0.5	mg/kg	<5	<5	0

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					Sample Value	Duplicate Value	% RPD
12163540	11873157	HVOLs: 11DCANE	<0.5	mg/kg	<5	<5	0
		HVOLs: 11DCENE	<0.5	mg/kg	<5	<5	0
		HVOLs: 11DCPENE	<0.5	mg/kg	<5	<5	0
		HVOLs: 123TCPAN	<0.5	mg/kg	<5	<5	0
		HVOLs: 12DB3CLP	<0.5	mg/kg	<5	<5	0
		HVOLs: 12DBRANE	<0.5	mg/kg	<5	<5	0
		HVOLs: 12DCENEC	<0.5	mg/kg	<5	<5	0
		HVOLs: 12DCENET	<0.5	mg/kg	<5	<5	0
		HVOLs: 12DCLANE	<0.5	mg/kg	<5	<5	0
		HVOLs: 12DCLPANE	<0.5	mg/kg	<5	<5	0
		HVOLs: 13DCLPANE	<0.5	mg/kg	<5	<5	0
		HVOLs: 13DCLPRC	<0.5	mg/kg	<5	<5	0
		HVOLs: 13DCLPRT	<0.5	mg/kg	<5	<5	0
		HVOLs: 14-Dichloroethane-d4-SURR		%	116.05	125.15	7.5
		HVOLs: 22DCPANE	<0.5	mg/kg	<5	<5	0
		HVOLs: 2CLTOL	<0.5	mg/kg	<5	<5	0
		HVOLs: 4CLTOL	<0.5	mg/kg	<5	<5	0
		HVOLs: BCLMANE	<0.5	mg/kg	<5	<5	0
		HVOLs: BDCMANE	<0.5	mg/kg	<5	<5	0
		HVOLs: BRBENZ	<0.5	mg/kg	<5	<5	0
		HVOLs: BROMOFOR	<0.5	mg/kg	<5	<5	0

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					Sample Value	Duplicate Value	% RPD
12163540	11873157	HVOLs: CARTET	<0.5	mg/kg	<5	<5	0
		HVOLs: CHCL3	<0.5	mg/kg	<5	<5	0
		HVOLs: CHLOBENZ	<0.5	mg/kg	<5	<5	0
		HVOLs: DBCLMANE	<0.5	mg/kg	<5	<5	0
		HVOLs: DBMANE	<0.5	mg/kg	<5	<5	0
		HVOLs: DCM	<1	mg/kg	<10	<10	0
		HVOLs: TCLFMANE	<2	mg/kg	<20	<20	0
		HVOLs: TETCENE	<0.5	mg/kg	<5	<5	0
		HVOLs: Toluene-d8-SURR		%	96.9	93.2	3.9
		HVOLs: TRICENE	<0.5	mg/kg	<5	<5	0
		HVOLs: VCL	<1	mg/kg	<10	<10	0
12163543	11873157	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<5	<5	0
		MAHs: BENZENE	<0.5	mg/kg	<5	<5	0
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<5	<5	0
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<5	<5	0
		MAHs: STYRENE	<0.5	mg/kg	<5	<5	0
		MAHs: TOLUENE	<0.5	mg/kg	<5	<5	0
		MAHs: XYLENES	<0.5	mg/kg	<5	<5	0
12169296	12152494	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	<0.0002	<0.0002	0
		PFOS/PFOA: PERFLUOROOCANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	<0.0002	<0.0002	0
		PFOS/PFOA: PERFLUOROOCANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002	<0.0002	0

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					Sample Value	Duplicate Value	% RPD
12170009	11873157	FLUORIDE SED TOT: FLUORIDE_SED	<100	mg/kg	190	210	8.0
12174090	12156620	S-CN: CYANIDE	<5	mg/kg	<5	<5	0
12175183	12148862	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: AS	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	<0.2	0
		MS Metals Rev Aq Reg: CR	<5	mg/kg	28	32	13.1
		MS Metals Rev Aq Reg: CU	<5	mg/kg	21	21	1.2
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	0.75	0.84	11.3
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: NI	<5	mg/kg	42	41	2.6
		MS Metals Rev Aq Reg: PB	<5	mg/kg	40	55	31.3
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3	<3	0
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	70	84	18.3

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Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Expected Value	% Recovery
12157163	12148857	OCP_SOIL: A-BHC	<0.05	mg/kg	<0.05	1.5	90.4
		OCP_SOIL: A-ENDOSULPHAN	<0.05	mg/kg	<0.05	1.5	87.2
		OCP_SOIL: ALDRIN	<0.05	mg/kg	<0.05	1.5	96.2
		OCP_SOIL: B-BHC	<0.05	mg/kg	<0.05	1.5	89.0
		OCP_SOIL: B-ENDOSULPHAN	<0.05	mg/kg	<0.05	1.5	87.8
		OCP_SOIL: C-CHLORDANE	<0.05	mg/kg	<0.05	1.5	101
		OCP_SOIL: CHLORDANE	<0.05	mg/kg	<0.05	2.9	101
		OCP_SOIL: D-BHC	<0.05	mg/kg	<0.05	1.5	94.6
		OCP_SOIL: DDD	<0.05	mg/kg	<0.05	1.5	94.4
		OCP_SOIL: DDE	<0.05	mg/kg	<0.05	1.5	92.4
		OCP_SOIL: DDT	<0.05	mg/kg	<0.05	1.5	76.6
		OCP_SOIL: DIELDRIN	<0.05	mg/kg	<0.05	1.5	86.8
		OCP_SOIL: ENDOSULFAN SULPHATE	<0.05	mg/kg	<0.05	1.5	83.2
		OCP_SOIL: ENDRIN	<0.05	mg/kg	<0.05	1.5	89.0
		OCP_SOIL: ENDRIN ALDEHYDE	<0.05	mg/kg	<0.05	1.5	81.0
		OCP_SOIL: ENDRIN KETONE	<0.05	mg/kg	<0.05	1.5	91.6
		OCP_SOIL: HEPTACHLOR	<0.05	mg/kg	<0.05	1.5	88.8
		OCP_SOIL: HEPTACHLOREPOXIDE	<0.05	mg/kg	<0.05	1.5	96.8
		OCP_SOIL: HEXACHLORO BENZENE	<0.05	mg/kg	<0.05	1.5	93.6
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.05	1.5	88.8
		OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.05	1.5	77.0

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					Sample Value	Expected Value	% Recovery
12157163	12148857	OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.05	1.5	100
12157175	12148846	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	1.3	88.2
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	1.3	93.4
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	1.3	89.8
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	96.8
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	1.3	93.8
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	90.2
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	1.3	92.0
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	88.2
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	1.3	92.6
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	83.2
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	96.6
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	1.3	95.6
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	1.3	93.8
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	1.3	93.2
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	1.3	93.6
PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	1.3	97.4		
12157182	12148846	PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1	2.2	104
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1	2.3	119
12157201	12152507	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.3	1.3	84.0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.3	1.3	89.0

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					Sample Value	Expected Value	% Recovery
12157201	12152507	PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.3	1.3	100
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.3	1.5	102
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.3	1.5	99.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.3	1.5	101
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.3	1.5	90.3
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.3	1.5	101
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.3	1.5	93.0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.3	1.3	87.0
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	0.3	1.6	110
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.3	1.3	87.0
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.3	1.3	99.0
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.3	1.3	105
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.3	1.5	96.5
		PAHs in Soil: PYRENE	<0.1	mg/kg	0.4	1.7	104
12157249	12148846	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	93.4
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	91.0
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	2.6	93.4
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	88.8
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	109
		CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	91.8
		CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	92.6

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					Sample Value	Expected Value	% Recovery
12157249	12148846	CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	91.4
		CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1	1.3	98.4
		CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1	1.3	90.8
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1	1.3	84.8
		CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1	1.3	99.0
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1	1.3	86.8
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1	1.3	69.4
		CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1	1.3	90.6
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1	1.3	89.6
12157292	12152502	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5	1.5	101
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5	1.5	70.6
		Phenols (Non Hal): 4-NITROPHENOL	<0.5	mg/kg	<0.5	1.5	55.8
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5	1.5	104
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1	4.4	114
12157299	12152502	Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	3.0	84.7
		Phenols (Hal): 2356 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	1.5	69.8
		Phenols (Hal): 245-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	1.5	80.4
		Phenols (Hal): 246-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	1.5	81.4
		Phenols (Hal): 24-DICHLOROPHENOL	<0.5	mg/kg	<0.5	1.5	101
		Phenols (Hal): 26-DICHLOROPHENOL	<0.5	mg/kg	<0.5	1.5	91.4
		Phenols (Hal): 2-CHLOROPHENOL	<0.5	mg/kg	<0.5	1.5	96.6

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					Sample Value	Expected Value	% Recovery
12157299	12152502	Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5	mg/kg	<0.5	1.5	92.8
12157713	12152502	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	870	107
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50	980	95.9
12157829	12148846	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	750	118
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50	840	107
12163246	12156927	BTEXN: BENZENE	<0.5	mg/kg	<0.5	4.5	85.9
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	4.5	73.7
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	4.5	90.3
		BTEXN: XYLENE-MP	<1	mg/kg	<1	8.9	85.0
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	4.5	92.5
12163250	12152509	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	140	119
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	140	116
12163539	12152502	HVOLs: 1112TCAN	<0.5	mg/kg	<0.5	4.7	106
		HVOLs: 111TCANE	<0.5	mg/kg	<0.5	4.7	96.8
		HVOLs: 1122TCAN	<0.5	mg/kg	<0.5	4.7	128
		HVOLs: 112TCANE	<0.5	mg/kg	<0.5	4.7	111
		HVOLs: 11DCANE	<0.5	mg/kg	<0.5	4.7	90.8
		HVOLs: 11DCENE	<0.5	mg/kg	<0.5	4.7	81.0
		HVOLs: 11DCPENE	<0.5	mg/kg	<0.5	4.7	68.2
		HVOLs: 123TCPAN	<0.5	mg/kg	<0.5	4.7	127
		HVOLs: 12DB3CLP	<0.5	mg/kg	<0.5	4.7	93.9

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QUALITY CONTROL - SPIKES

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

					Sample Value	Expected Value	% Recovery
12163539	12152502	HVOLs: 12DBRANE	<0.5	mg/kg	<0.5	4.7	105
		HVOLs: 12DCENEC	<0.5	mg/kg	<0.5	4.7	73.7
		HVOLs: 12DCENET	<0.5	mg/kg	<0.5	4.7	73.4
		HVOLs: 12DCLANE	<0.5	mg/kg	<0.5	4.7	114
		HVOLs: 12DCLPANE	<0.5	mg/kg	<0.5	4.7	91.7
		HVOLs: 13DCLPANE	<0.5	mg/kg	<0.5	4.7	109
		HVOLs: 13DCLPRC	<0.5	mg/kg	<0.5	4.7	76.1
		HVOLs: 13DCLPRT	<0.5	mg/kg	<0.5	4.7	75.6
		HVOLs: 22DCPANE	<0.5	mg/kg	<0.5	4.7	85.8
		HVOLs: 2CLTOL	<0.5	mg/kg	<0.5	4.7	87.6
		HVOLs: 4CLTOL	<0.5	mg/kg	<0.5	4.7	82.3
		HVOLs: BCLMANE	<0.5	mg/kg	<0.5	4.7	102
		HVOLs: BDCMANE	<0.5	mg/kg	<0.5	4.7	109
		HVOLs: BRBENZ	<0.5	mg/kg	<0.5	4.7	85.7
		HVOLs: BROMOFOR	<0.5	mg/kg	<0.5	4.7	116
		HVOLs: CARTET	<0.5	mg/kg	<0.5	4.7	94.7
		HVOLs: CHCL3	<0.5	mg/kg	<0.5	4.7	107
		HVOLs: CHLOBENZ	<0.5	mg/kg	<0.5	4.7	97.3
		HVOLs: DBCLMANE	<0.5	mg/kg	<0.5	4.7	109
		HVOLs: DBMANE	<0.5	mg/kg	<0.5	4.7	112
		HVOLs: DCM	<1	mg/kg	<1	4.7	97.3

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					Sample Value	Expected Value	% Recovery
12163539	12152502	HVOLs: TCLFMANE	<2	mg/kg	<2	4.7	81.5
		HVOLs: TETCENE	<0.5	mg/kg	<0.5	4.7	90.2
		HVOLs: TRICENE	<0.5	mg/kg	<0.5	4.7	90.7
12163542	12152502	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<0.5	4.7	76.6
		MAHs: BENZENE	<0.5	mg/kg	<0.5	4.7	88.2
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<0.5	4.7	94.6
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<0.5	4.7	84.5
		MAHs: STYRENE	<0.5	mg/kg	<0.5	4.7	78.5
		MAHs: TOLUENE	<0.5	mg/kg	<0.5	4.7	92.1
		MAHs: XYLENES	<0.5	mg/kg	<0.5	14	101
12169298	12152502	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	<0.0002	0.0011	115
		PFOS/PFOA: PERFLUOROOCCTANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	<0.0002	0.0014	106
		PFOS/PFOA: PERFLUOROOCCTANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002	0.0013	99.6
12170007	11873157	FLUORIDE SED TOT: FLUORIDE_SED	<100	mg/kg	190	590	97.1
12174082	12148840	S-CN: CYANIDE	<5	mg/kg	<5	20	92.2
12175191	12152507	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5	1.0	76.3
		MS Metals Rev Aq Reg: AS	<5	mg/kg	<5	100	72.5
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	100	92.9
		MS Metals Rev Aq Reg: CR	<5	mg/kg	15	110	83.6
		MS Metals Rev Aq Reg: CU	<5	mg/kg	16	120	74.9
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05	1.0	103

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QUALITY CONTROL - SPIKES

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					Sample Value	Expected Value	% Recovery
12175191	12152507	MS Metals Rev Aq Reg: MO	<5	mg/kg	<5	100	84.3
		MS Metals Rev Aq Reg: NI	<5	mg/kg	31	130	81.3
		MS Metals Rev Aq Reg: PB	<5	mg/kg	17	120	94.4
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	100	88.5
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	53	150	89.0

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Measurement of Uncertainty.

When any measurement is made there are a number of factors that affect how accurate the result is. Every step undertaken in the analysis of a sample is subject to some (small) level of error. Estimates of measurement uncertainty provide information about the relative size of the error. As such, MU is an important aspect of any result. Refer to Enviromail™ 53 - What is Measurement Uncertainty for more information.

Analysis	Method Code	Component	Location
			MEL
FLUORIDE SED TOT	QWI-EN.WK040T	FLUORIDE_SED	22%
S-CN	WK026SF	CYANIDE	20%

Analysis	Method Code	Component	Location
			MEL
MS Metals Rev Aq Reg	WG020B	AG	19%
		AS	20%
		CD	10%
		CR	18%
		CU	16%
		HG	23%
		MO	13%
		NI	16%
		PB	12%
		SE	21%
		SN	11%
		ZN	22%

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Analysis	Method Code	Component	Location
			MEL
Chromium 6+ DA	EG048G	TOTAL CHROMIUM 6+	20%

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Analysis	Method Code	Component	Location
			MEL
BTEXN	WP074	BENZENE	22%
		ETHYL BENZENE	17%
		NAPHTHALENE	24%
		TOLUENE	15%
		XYLENE-MP	16%
		XYLENE-O	17%
CHCS	WP084	1234TETRACHLOROBENZENE	24%
		123TRICHLOROBENZENE	31%
		1245TETRACHLOROBENZENE	25%
		124TRICHLOROBENZENE	32%
		12-DICHLOROBENZENE	18%
		135TRICHLOROBENZENE	22%
		13-DICHLOROBENZENE	21%
		14-DICHLOROBENZENE	20%
		2 CHLORONAPHTHALENE	22%
		BENZAL CHLORIDE	15%
		BENZOTRICHLORIDE	27%
		BENZYLCHLORIDE	18%
		HEXACHLOROBUTADIENE	27%
		HEXACHLOROCYCLOPENTADIENE	30%
HEXACHLOROETHANE	24%		

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			MEL
CHCS	WP084	PENTACHLOROBENZENE	33%
HVOLs	WP074	1112TCAN	15%
		111TCANE	20%
		1122TCAN	21%
		112TCANE	18%
		11DCANE	26%
		11DCENE	26%
		11DCPENE	23%
		123TCPAN	22%
		12DB3CLP	16%
		12DBRANE	15%
		12DCENEC	29%
		12DCENET	29%
		12DCLANE	26%
		12DCLPANE	24%
		13DCLPANE	19%
		13DCLPRC	15%
		13DCLPRT	22%
		22DCPANE	21%
2CLTOL	15%		
4CLTOL	16%		
BCLMANE	26%		

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			MEL
HVOLs	WP074	BDCMANE	22%
		BRBENZ	15%
		BROMOFOR	19%
		CARTET	19%
		CHCL3	24%
		CHLOBENZ	17%
		DBCLMANE	15%
		DBMANE	26%
		DCM	26%
		TCLFMANE	28%
		TETCENE	19%
		TRICENE	27%
		VCL	32%
MAHs	WP125 & WP074	124-TRIMETHYLBENZENE/TMB	18%
		BENZENE	25%
		CUMENE/ISOPROPYL BENZENE/EMB	20%
		ETHYL BENZENE	19%
		STYRENE	21%
		TOLUENE	18%
		XYLENES	19%
OCP_SOIL	WP068A	A-BHC	22%
		A-ENDOSULPHAN	24%

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			MEL
OCP_SOIL	WP068A	ALDRIN	27%
		B-BHC	26%
		B-ENDOSULPHAN	24%
		C-CHLORDANE	23%
		CHLORDANE	22%
		D-BHC	29%
		DDD	27%
		DDE	16%
		DDT	29%
		DIELDRIN	23%
		ENDOSULFAN SULPHATE	28%
		ENDRIN	29%
		ENDRIN ALDEHYDE	31%
		ENDRIN KETONE	24%
		HEPTACHLOR	22%
		HEPTACHLOREPOXIDE	22%
		HEXACHLOROBENZENE	20%
		LINDANE	23%
METHOXYCHLOR	41%		
OXYCHLORDANE	20%		
TRANS-CHLORDANE	21%		
PAHs in Soil	WP075B	ACENAPHTHENE	18%

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			MEL
PAHs in Soil	WP075B	ACENAPHTHYLENE	17%
		ANTHRACENE	18%
		BENZ(A)ANTHRACENE	27%
		BENZO(A)PYRENE	21%
		BENZO(B)FLUORANTHENE	25%
		BENZO(GHI)PERYLENE	31%
		BENZO(K)FLUORANTHENE	22%
		CHRYSENE	21%
		DIBENZ(AH)ANTHRACENE	27%
		FLUORANTHENE	26%
		FLUORENE	15%
		INDENO(123-CD)PYRENE	23%
		NAPHTHALENE	15%
		PHENANTHRENE	19%
PYRENE	27%		
PCBs in sediments	WP066	AROCLOR 1016	19%
		AROCLOR 1260	23%
PFOS/PFOA	EP231X	PERFLUOROHEXANE SULFONIC ACID (PFHxS)	25%
		PERFLUOROOCTANE SULFONIC ACID (PFOS)	28%
		PERFLUOROOCTANOIC ACID (PFOA)	27%
Phenols (Hal)	WP075A	2345 TETRACHLOROPHENOL	20%
		2346 TETRACHLOROPHENOL	15%

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			MEL
Phenols (Hal)	WP075A	2356 TETRACHLOROPHENOL	16%
		245-TRICHLOROPHENOL	20%
		246-TRICHLOROPHENOL	18%
		24-DICHLOROPHENOL	19%
		26-DICHLOROPHENOL	17%
		2-CHLOROPHENOL	17%
		4-CHLORO-3-METHYLPHENOL	17%
		PENTACHLOROPHENOL	29%
Phenols (Non Hal)	WP075A	24-DIMETHYL PHENOL	16%
		2-METHYL-46-DINITROPHENOL	20%
		2-NITROPHENOL	19%
		4-NITROPHENOL	16%
		DINOSEB	20%
		PHENOL	18%
		TOTAL CRESOLS	26%
TRH & TPH >C10	WP071	TPH C15-C28	26%
		TRH>C16-C34	27%
TRH & TPH C6-C10	WP074 (F1 not NATA)	TPH_C6-C9	23%
		TRH_C6-C10	21%
		TRH_C6-C10 minus BTEX	21%

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26-10767



GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00 **Suburb:** Brooklyn **To:** ALS Water Resources Group
Project Manager: Avi Poonyth **Order Number:** ME222358 **Sampler:** AL/BS 22 Dalmore Drive, Scoresby VIC 3179
Email: laboratory+68ff061edd8b9@datanest.earth, mitchell.dixon@douglaspartners.com.au **Attn:** Tuyen Nguyen
Turnaround time: Standard 72 hour 48 hour 24 hour Same day (03) 8756 8116 tuyen.nguyen@alsglobal.com

Prior Storage: Fridge Freezer Esky Shelf **Do samples contain 'potential' HBM?** No Yes (if YES, then handle, transport and store in accordance with FPM HAZID)

Lab ID	Sample ID Location / Other ID	Date Sampled	Sample Container		Analytes										Notes/ Preservation/ Additional Requirements						
			Type	Type	S - soil	W - water	M - Material	G - glass	P - plastic	A-S1828CFP	EPA Screen	A-S7-R	Metals								
	BH09/0.0-0.1	21/01/26	S	G																	small jars only
	BH09/0.4-0.5	21/01/26	S	G+P						✓											small jars only
	BH09/1.0-1.1	21/01/26	S	G+P																	small jars only
	BH12/0.0-0.1	21/01/26	S	G																	small jars only
	BH12/0.5-0.6	21/01/26	S	G+P						✓											small jars only
	BH12/1.0-1.1	21/01/26	S	G																	small jars only
	BH12/1.9-2.0	21/01/26	S	G+P							✓										small jars only
	BH08/0.0-0.1	22/01/26	S	G+P						✓											
	BH08/0.5-0.6	22/01/26	S	G																	
	BH08/1.0-1.1	22/01/26	S	G+P																	
	BH08/2.0-2.1	22/01/26	S	G																	
	BH08/3.0-3.1	22/01/26	S	G								✓									
	BH17/0.0-0.1	22/01/26	S	G																	
	BH17/0.5-0.6	22/01/26	S	G+P						✓											

Douglas Partners Pty
DOUGLAS
 26-10767
Customer Reference:
 239629.00 Brooklyn
Due Date: 04/02/2026
 26-10767
 IAT: 4

Metals to analyse: 12 metals as in A-S7-R **LAB RECEIPT**
Number of samples in container: 37 **Transported to laboratory by:** ALS Courier
Send results to: Douglas Partners Pty Ltd
Address: 155-157 Main Street, Scoresby VIC 3179 **Phone:** (03) 9673 3500
Relinquished by: MUD **Date:** 28/01/2026 **Signed:** [Signature]
Received by: [Signature] **Date & Time:** 28/1 1200
Signed: [Signature]

TC



GROUND
ED
EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00	Suburb: Brooklyn	To: ALS Water Resources Group
Project Manager: Avi Poonyth		Dispatch date: 28/01/2026

Lab ID	Sample ID Location / Other ID	Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements			
			S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals											
	BH17/1.0-1.1	22/01/26	S	G														
	BH17/2.0-2.1	22/01/26	S	G														
	BH17/3.0-3.1	22/01/26	S	G+P														
	BH20/0.0-0.1	22/01/26	S	G														
	BH20/0.5-0.6	22/01/26	S	G+P			✓											
	BH20/1.0-1.1	22/01/26	S	G														
	BH21/0.0-0.1	22/01/26	S	G														
	BH21/0.4-0.5	22/01/26	S	G+P	✓													
	BH21/1.0-1.1	22/01/26	S	G+P			✓											
	TP04/0.4-0.5	27/01/26	S	G			✓											
	TP04/1.0-1.1	27/01/26	S	G			✓											
	TP05/0.5-0.6	27/01/26	S	G														
	TP06/0.0-0.1	27/01/26	S	G			✓											
	TP06/1.0-1.1	27/01/26	S	G														
	TP11/0.8-0.9	27/01/26	S	G			✓											
	TP12/0.0-0.1	27/01/26	S	G														
	TP12/0.8-0.9	27/01/26	S	G														
	TP18/0.0-0.1	27/01/26	S	G			✓											

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GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

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Project Manager: Avi Poonyth		Dispatch date: 28/01/2026

Lab ID	Sample ID	Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements		
	Location / Other ID		S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals										
	TP18/1.0-1.1	27/01/26	S	G			✓										
	TP19/0.0-0.1	27/01/26	S	G													
	TP19/1.0-1.1	27/01/26	S	G													
	TP20/0.0-0.1	27/01/26	S	G			✓										
	TP20/1.0-1.1	27/01/26	S	G			✓										

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 Planning Application Number: P0588/2025
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ALS Water

ALS Water and Hydrographics Pty Ltd ABN: 94 105 060 320
 Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
www.alsglobal.com



Sample Receipt Advice (SRA)

Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
---	---

Batch Summary: **ALS Water Batch No :** **26-10767**

Date Received : 29-Jan-2026
Scheduled Reporting Date : 05-Feb-2026

Client Job Ref : 239629-00 Brooklyn
No. of Sample(s) : 37

Program : Misc.
Purchase Order : ME222358

NATA report : Reqd.

Lab. Contact :

Tuyen Nguyen
Phone: 03 87568000
Tuyen.Nguyen@alsglobal.com

Please direct any enquiries you have regarding this project to the above ALS Water contact .

Delivery Details:

COC Received :

- Sample Temperature on Receipt. C^o
- Samples preserved where applicable #

Comments:

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Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
---	--

Summary of Sample and Received Analysis:

ALS Sample	Sample Name	Date	Test Count
12152482	BH09/0.4-0.5	21/01/1926	7
12152485	BH12/0.5-0.6	21/01/1926	7
12152487	BH12/1.9-2.0	21/01/1926	2
12152488	BH08/0.0-0.1	22/01/1926	7
12152492	BH08/3.0-3.1	22/01/1926	2
12152494	BH17/0.5-0.6	22/01/1926	20
12152499	BH20/0.5-0.6	22/01/1926	7
12152502	BH21/0.4-0.5	22/01/1926	20
12152503	BH21/1.0-1.1	22/01/1926	2
12152504	TP04/0.4-0.5	27/01/1926	7
12152505	TP04/1.0-1.1	27/01/1926	2
12152507	TP06/0.0-0.1	27/01/1926	7
12152509	TP11/0.8-0.9	27/01/1926	7
12152512	TP18/0.0-0.1	27/01/1926	7
12152513	TP18/1.0-1.1	27/01/1926	2
12152516	TP20/0.0-0.1	27/01/1926	7
12152517	TP20/1.0-1.1	27/01/1926	2

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ALS Water



CERTIFICATE OF ANALYSIS

Batch No: 26-11117

Final Report 332239

Page 1 of 13

Client: **Douglas Partners Pty Ltd**

Contact: **Avi Poonyth**

Address: 231 Normanby Road
SOUTH MELBOURNE
VIC 3205
AUSTRALIA

Laboratory

Address

Phone

Fax

Scoresby Laboratory
Caribbean Business Park,
22 Dalmore Drive,
Scoresby,
VIC 3179
03 8756 8000
03 9763 1862

Contact:

Brad Snibson
Client Manager
Brad.Snibson@alsglobal.com

Client Program Ref: **239629-00 Brooklyn**

ALS Program Ref: **DOUGLAS**

Date Sampled:

23-Jan-2026 - 28-Jan-2026

Date Samples Received:

30-Jan-2026

PO No: **Not Available**

Date Issued:

06-Feb-2026

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>	<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>	<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>
BTEXN	WP074	Scoresby	CHC	WP084	Scoresby			
Cyanide	WK026SF	Scoresby	PFAS	EP231X	Scoresby			
Total Fluoride	QWI-EN. WK040T	Scoresby	HVOL	WP074	Scoresby			
MAH	WP125 & WP074	Scoresby	MS Total Metals	WG020B	Scoresby			
OCP	WP068A	Scoresby	PAH	WP075B	Scoresby			
PCB	WP066	Scoresby	pH	EA002	Scoresby			
Phenols(Halo)	WP075A	Scoresby	Phenols(NonHalo)	WP075A	Scoresby			
CHC Sum	WP084	Scoresby	Total Cr 6+ DA	EG048G	Scoresby			
TRH F2	# WP071	Scoresby	TRH & TPH (>C10)	WP071	Scoresby			
TRH (C6-C10) & F1	WP074 (F 1 not NATA)	Scoresby						

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Planning Application Number: P0588/2025

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Measurement Uncertainties values for your compliance results are available at this link

Signatories

<i>Name</i>	<i>Title</i>	<i>Name</i>	<i>Title</i>
Alan Chung	Team Leader Metals	Chatura Perera	Team Leader Nutrients
Jessica Kelly	Chemist / Analyst	Kosta Christopoulos	Team Leader Organics
Mathew Fordham	Senior Chemist		

Results contained within this report relate only to the samples tested. The report shall not be reproduced, except in full.

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Planning Application Number: P0588/2025

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Batch No: 26-11117
 Report Number: 332239
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil Analysis

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	Total Fluoride	pH	Cyanide	Total Cr 6+ DA
				FLUORIDE_SED mg/kg	PH_SED Units	CYANIDE mg/kg	TOTAL CHROMIUM 6 +
12158374	28-01-26	BH18/0.4-0.5	SOIL	270	10.4	<5	<1
12158389	27-01-26	BH04/2.0-2.1	SOIL	380	10.0	<5	<1

Soil Metals

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
				AS mg/kg	CD mg/kg	CR mg/kg	CU mg/kg	PB mg/kg	HG mg/kg	MO mg/kg	NI mg/kg
12158349	28-01-26	TP01/0.1-0.2	SOIL	<5	<0.2	19	18	11	<0.05	<5	46
12158350	28-01-26	TP01/1.0-1.1	SOIL	<5	<0.2	46	6	13	0.06	<5	14
12158352	28-01-26	TP02/1.0-1.1	SOIL	<5	<0.2	48	8	15	<0.05	<5	31
12158355	28-01-26	TP14/0.1-0.2	SOIL	<5	<0.2	22	20	<5	<0.05	<5	93
12158362	28-01-26	TP15/0.5-0.6	SOIL	<5	<0.2	74	6	12	<0.05	<5	22
12158363	28-01-26	TP08/0.1-0.2	SOIL	5	<0.2	30	17	25	0.09	<5	50
12158366	28-01-26	TP17/0.8-0.9	SOIL	<5	<0.2	49	10	12	0.09	<5	26
12158369	28-01-26	TP09/0.1-0.2	SOIL	<5	<0.2	23	21	25	0.07	<5	41
12158374	28-01-26	BH18/0.4-0.5	SOIL	<5	<0.2		7	9	0.11	<5	8
12158376	28-01-26	BH18/2.0-2.1	SOIL	<5	<0.2	37	<5	8	0.05	<5	26
12158377	28-01-26	BH18/3.0-3.1	SOIL	<5	<0.2	63	9	12	0.06	<5	24
12158383	27-01-26	BH14/0.4-0.5	SOIL	7	<0.2	18	16	12	0.05	<5	56
12158385	27-01-26	BH14/2.0-2.1	SOIL	<5	<0.2	48	<5	9	<0.05	<5	22
12158386	27-01-26	BH04/0.0-0.1	SOIL	<5	<0.2	24	24	18	0.10	<5	41
12158389	27-01-26	BH04/2.0-2.1	SOIL	<5	<0.2		10	13	0.06	<5	32
12158391	23-01-26	BH16/0.5-0.6	SOIL	<5	<0.2	38	10	9	0.06	<5	<5
12158393	23-01-26	BH16/2.0-2.1	SOIL	<5	<0.2	44	6	8	<0.05	<5	17
12158394	23-01-26	BH19/0.0-0.1	SOIL	<5	<0.2	17	16	10	<0.05	<5	39
12158398	28-01-26	BH01/0.0-0.1	SOIL	<5	<0.2	22	16	9	<0.05	<5	34
12158405	28-01-26	BH01/7.2-7.3	SOIL	<5	<0.2	110	17	5	<0.05	<5	45

Samples not collected by ALS and are tested as received.

A blank space indicates no test performed. Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

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Batch No: 26-11117
 Report Number: 332239
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil Metals			Analysis:	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals			
				SE mg/kg	AG mg/kg	SN mg/kg	ZN mg/kg			
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158349	28-01-26	TP01/0.1-0.2	SOIL	<3	<5	<5	58			
12158350	28-01-26	TP01/1.0-1.1	SOIL	<3	<5	<5	13			
12158352	28-01-26	TP02/1.0-1.1	SOIL	<3	<5	<5	17			
12158355	28-01-26	TP14/0.1-0.2	SOIL	<3	<5	<5	57			
12158362	28-01-26	TP15/0.5-0.6	SOIL	<3	<5	<5	21			
12158363	28-01-26	TP08/0.1-0.2	SOIL	<3	<5	<5	66			
12158366	28-01-26	TP17/0.8-0.9	SOIL	<3	<5	<5	18			
12158369	28-01-26	TP09/0.1-0.2	SOIL	<3	<5	<5	88			
12158374	28-01-26	BH18/0.4-0.5	SOIL	<3	<5	<5	8			
12158376	28-01-26	BH18/2.0-2.1	SOIL	<3	<5	<5	14			
12158377	28-01-26	BH18/3.0-3.1	SOIL	<3	<5	<5	21			
12158383	27-01-26	BH14/0.4-0.5	SOIL	<3	<5	<5	56			
12158385	27-01-26	BH14/2.0-2.1	SOIL	<3	<5	<5	13			
12158386	27-01-26	BH04/0.0-0.1	SOIL	<3	<5	<5	53			
12158389	27-01-26	BH04/2.0-2.1	SOIL	<3	<5	<5	100			
12158391	23-01-26	BH16/0.5-0.6	SOIL	<3	<5	<5	<5			
12158393	23-01-26	BH16/2.0-2.1	SOIL	<3	<5	<5	15			
12158394	23-01-26	BH19/0.0-0.1	SOIL	<3	<5	<5	42			
12158398	28-01-26	BH01/0.0-0.1	SOIL	<3	<5	<5	57			
12158405	28-01-26	BH01/7.2-7.3	SOIL	<3	<5	<5	27			
Soil MAH			Analysis:	MAH	MAH	MAH	MAH	MAH	MAH	MAH
				BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	XYLENES mg/kg	STYRENE mg/kg	CUMENE/ISOPROPY L BENZENE/EMB mg/kg	124-TRIMETHYLBEN ZENE/TMB mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Samples not collected by ALS and are tested as received.

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Batch No: 26-11117
 Report Number: 332239
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil BTEXN			Analysis:	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN
				BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	XYLENE-MP mg/kg	XYLENE-O mg/kg	NAPHTHALENE mg/kg	TOTAL XYLENES mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158349	28-01-26	TP01/0.1-0.2	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158355	28-01-26	TP14/0.1-0.2	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158363	28-01-26	TP08/0.1-0.2	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158369	28-01-26	TP09/0.1-0.2	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158376	28-01-26	BH18/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158383	27-01-26	BH14/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158386	27-01-26	BH04/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158391	23-01-26	BH16/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158394	23-01-26	BH19/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158398	28-01-26	BH01/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12158405	28-01-26	BH01/7.2-7.3	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1

Soil TRH/TPH (Volatile)			Analysis:	TRH (C6-C10) & F1	TRH (C6-C10) & F1	TRH (C6-C10) & F1
				TPH_C6-C9 mg/kg	TRH_C6-C10 mg/kg	TRH_C6-C10 minus BTEX mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type			
12158349	28-01-26	TP01/0.1-0.2	SOIL	<20	<20	<20
12158355	28-01-26	TP14/0.1-0.2	SOIL	<20	<20	<20
12158363	28-01-26	TP08/0.1-0.2	SOIL	<20	<20	<20
12158369	28-01-26	TP09/0.1-0.2	SOIL	<20	<20	<20
12158374	28-01-26	BH18/0.4-0.5	SOIL	<20	<20	<20
12158376	28-01-26	BH18/2.0-2.1	SOIL	<20	<20	<20
12158383	27-01-26	BH14/0.4-0.5	SOIL	<20	<20	<20
12158386	27-01-26	BH04/0.0-0.1	SOIL	<20	<20	<20
12158389	27-01-26	BH04/2.0-2.1	SOIL	<20	<20	<20
12158391	23-01-26	BH16/0.5-0.6	SOIL	<20	<20	<20
12158394	23-01-26	BH19/0.0-0.1	SOIL	<20	<20	<20
12158398	28-01-26	BH01/0.0-0.1	SOIL	<20	<20	<20
12158405	28-01-26	BH01/7.2-7.3	SOIL	<20	<20	<20

Samples not collected by ALS and are tested as received.

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Batch No: 26-11117
 Report Number: 332239
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil TRH/TPH			Analysis:	TRH F2	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	TRH>C10-C16 minus NAP mg/kg	TPH C10-C14 mg/kg	TPH C15-C28 mg/kg	TPH C29-C36 mg/kg	Sum of TPH C10-C36 mg/kg	TRH>C10-C16 mg/kg	TRH>C16-C34 mg/kg	TRH>C34-C40 mg/kg
12158349	28-01-26	TP01/0.1-0.2	SOIL	<20	<20	<50	80	80	<20	95	67
12158355	28-01-26	TP14/0.1-0.2	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12158363	28-01-26	TP08/0.1-0.2	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12158369	28-01-26	TP09/0.1-0.2	SOIL	<20	<20	<50	65	65	<20	74	70
12158374	28-01-26	BH18/0.4-0.5	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12158376	28-01-26	BH18/2.0-2.1	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12158383	27-01-26	BH14/0.4-0.5	SOIL	<20	<20	<50	57	57	<20	68	71
12158386	27-01-26	BH04/0.0-0.1	SOIL	<20	<20	65	130	200	<20	150	160
12158389	27-01-26	BH04/2.0-2.1	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12158391	23-01-26	BH16/0.5-0.6	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12158394	23-01-26	BH19/0.0-0.1	SOIL	<20	<20	56	83	140	<20	110	91
12158398	28-01-26	BH01/0.0-0.1	SOIL	<20	<20	71	92	160	<20	130	82
12158405	28-01-26	BH01/7.2-7.3	SOIL	170	77	330	<50	410	170	240	<50

Soil TRH/TPH			Analysis:	TRH & TPH (>C10)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	Sum of TRH>C10-C4 0 mg/kg
12158349	28-01-26	TP01/0.1-0.2	SOIL	160
12158355	28-01-26	TP14/0.1-0.2	SOIL	<50
12158363	28-01-26	TP08/0.1-0.2	SOIL	<50
12158369	28-01-26	TP09/0.1-0.2	SOIL	140
12158374	28-01-26	BH18/0.4-0.5	SOIL	<50
12158376	28-01-26	BH18/2.0-2.1	SOIL	<50
12158383	27-01-26	BH14/0.4-0.5	SOIL	140
12158386	27-01-26	BH04/0.0-0.1	SOIL	310
12158389	27-01-26	BH04/2.0-2.1	SOIL	<50
12158391	23-01-26	BH16/0.5-0.6	SOIL	<50
12158394	23-01-26	BH19/0.0-0.1	SOIL	200
12158398	28-01-26	BH01/0.0-0.1	SOIL	210
12158405	28-01-26	BH01/7.2-7.3	SOIL	410

Samples not collected by ALS and are tested as received.

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Batch No: 26-11117
 Report Number: 332239
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				ACENAPHTHENE mg/kg	ACENAPHTHYLENE mg/kg	ANTHRACENE mg/kg	BENZ(A)ANTHRACE NE mg/kg	BENZO(A)PYRENE mg/kg	BENZO(B)FLUORAN THENE mg/kg	BENZO(GHI)PERYLE NE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158349	28-01-26	TP01/0.1-0.2	SOIL	<0.3	<0.3	<0.3	0.3	0.4	0.4	0.4
12158355	28-01-26	TP14/0.1-0.2	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158363	28-01-26	TP08/0.1-0.2	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158369	28-01-26	TP09/0.1-0.2	SOIL	<0.3	<0.3	<0.3	0.4	0.4	0.4	0.4
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158376	28-01-26	BH18/2.0-2.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158383	27-01-26	BH14/0.4-0.5	SOIL	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
12158386	27-01-26	BH04/0.0-0.1	SOIL	<0.3	<0.3	<0.3	0.5	0.5	<0.3	0.4
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158391	23-01-26	BH16/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158394	23-01-26	BH19/0.0-0.1	SOIL	<0.3	<0.3	<0.3	0.4	0.5	0.3	0.4
12158398	28-01-26	BH01/0.0-0.1	SOIL	<0.3	<0.3	<0.3	0.4	0.4	<0.3	0.4
12158405	28-01-26	BH01/7.2-7.3	SOIL	6.8	<0.2	2.0	0.9	0.3	0.3	<0.1

Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				CHRYSENE mg/kg	DIBENZ(AH)ANTHRA CENE mg/kg	FLUORANTHENE mg/kg	FLUORENE mg/kg	INDENO(123-CD)PY RENE mg/kg	NAPHTHALENE mg/kg	PHENANTHRENE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158349	28-01-26	TP01/0.1-0.2	SOIL	0.4	<0.3	0.4	<0.3	0.4	<0.3	<0.3
12158355	28-01-26	TP14/0.1-0.2	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158363	28-01-26	TP08/0.1-0.2	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158369	28-01-26	TP09/0.1-0.2	SOIL	0.5	<0.3	0.7	<0.3	0.3	<0.3	0.4
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158376	28-01-26	BH18/2.0-2.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158383	27-01-26	BH14/0.4-0.5	SOIL	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
12158386	27-01-26	BH04/0.0-0.1	SOIL	0.5	<0.3	1.0	<0.3	0.3	<0.3	0.4
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158391	23-01-26	BH16/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158394	23-01-26	BH19/0.0-0.1	SOIL	0.4	<0.3	0.9	<0.3	0.3	<0.3	0.5
12158398	28-01-26	BH01/0.0-0.1	SOIL	0.4	<0.3	1.0	<0.3	<0.3	<0.3	0.6
12158405	28-01-26	BH01/7.2-7.3	SOIL	0.8	<0.1	7.4	0.7	<0.1	<0.2	14

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Batch No: 26-11117
 Report Number: 332239
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil PAH

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	PAH	PAH	PAH	PAH	PAH
				TOTAL PAHS mg/kg	BAP_TEQ_(ZERO) mg/kg	BAP_TEQ_(HALF_L OR) mg/kg	BAP_TEQ_(LOR) mg/kg	p-Terphenyl-d14-SUR R %
12158349	28-01-26	TP01/0.1-0.2	SOIL	3.5	0.6	0.7	0.9	60
12158355	28-01-26	TP14/0.1-0.2	SOIL	<0.1	<0.1	0.1	0.2	98
12158363	28-01-26	TP08/0.1-0.2	SOIL	<0.1	<0.1	0.1	0.2	98
12158369	28-01-26	TP09/0.1-0.2	SOIL	4.5	0.6	0.7	0.9	80
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.1	<0.1	0.1	0.2	96
12158376	28-01-26	BH18/2.0-2.1	SOIL	<0.1	<0.1	0.1	0.2	82
12158383	27-01-26	BH14/0.4-0.5	SOIL	<0.3	<0.3	0.4	0.7	80
12158386	27-01-26	BH04/0.0-0.1	SOIL	4.6	0.6	0.8	1.0	60
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.1	<0.1	0.1	0.2	106
12158391	23-01-26	BH16/0.5-0.6	SOIL	<0.1	<0.1	0.1	0.2	94
12158394	23-01-26	BH19/0.0-0.1	SOIL	4.9	0.6	0.8	0.9	100
12158398	28-01-26	BH01/0.0-0.1	SOIL	4.1	0.5	0.7	0.8	90
12158405	28-01-26	BH01/7.2-7.3	SOIL	39	0.5	0.5	0.6	96

Soil O.C. Pesticides

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	OCP	OCP	OCP	OCP	OCP	OCP	OCP
				A-BHC mg/kg	A-ENDOSULPHAN mg/kg	ALDRIN mg/kg	B-BHC mg/kg	B-ENDOSULPHAN mg/kg	CHLORDANE mg/kg	C-CHLORDANE mg/kg
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	OCP	OCP	OCP	OCP	OCP	OCP	OCP
				D-BHC mg/kg	DDD mg/kg	DDE mg/kg	DDT mg/kg	DIELDRIN mg/kg	ENDOSULPHAN mg/kg	ENDOSULFAN SULPHATE mg/kg
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP
				ENDRIN ALDEHYDE mg/kg	ENDRIN KETONE mg/kg	HEXACHLOROBENZ ENE mg/kg	HEPTACHLOREPOXI DE mg/kg	HEPTACHLOR mg/kg	LINDANE mg/kg	METHOXYCHLOR mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP
				DDD & DDE & DDT mg/kg	ALDRIN & DIELDRIN mg/kg	2456-tetrachloro-m-xy ene-SURR %
Sample	Sampled Date	Your Ref	Component: Units: Sample Type			
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.05	<0.05	102
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.05	<0.05	108

Soil PCBs			Analysis:	PCB	PCB	PCB	PCB	PCB	PCB	PCB
				AROCLOR 1016 mg/kg	AROCLOR 1221 mg/kg	AROCLOR 1232 mg/kg	AROCLOR 1242 mg/kg	AROCLOR 1248 mg/kg	AROCLOR 1254 mg/kg	AROCLOR 1260 mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PCBs			Analysis:	PCB
				2-fluorobiphenyl-SUR R %
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	
12158374	28-01-26	BH18/0.4-0.5	SOIL	114
12158389	27-01-26	BH04/2.0-2.1	SOIL	124

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 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil CHCs			Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC
				1234TETRACHLORO BENZENE mg/kg	1235TETRACHLOROB ENZENE mg/kg	123TRICHLOROBEN ZENE mg/kg	1245TETRACHLORO BENZENE mg/kg	124TRICHLOROBEN ZENE mg/kg	12-DICHLOROBENZ ENE mg/kg	135TRICHLOROBEN ZENE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil CHCs			Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC
				14-DICHLOROBENZ ENE mg/kg	2 CHLORONAPHTHAL ENE mg/kg	BENZAL CHLORIDE mg/kg	BENZOTRICHLORID E mg/kg	BENZYLCHLORIDE mg/kg	HEXACHLOROETHA NE mg/kg	HEXACHLOROBUTA DIENE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil CHCs			Analysis:	CHC	CHC Sum
				PENTACHLOROBEN ZENE mg/kg	CHC SUM mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type		
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.1	<1
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.1	<1

Phenols (Halogenated)			Analysis:	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)
				4-CHLORO-3-METHY LPHENOL mg/kg	2-CHLOROPHENOL mg/kg	24-DICHLOROPHEN OL mg/kg	26-DICHLOROPHEN OL mg/kg	PENTACHLOROPHE NOL mg/kg	2345 TETRACHLOROPHE NOL	2346 TETRACHLOROPHE NOL
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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 Client: Douglas Partners Pty Ltd
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			Analysis:	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	245-TRICHLOROPH ENOL mg/kg	246-TRICHLOROPH ENOL mg/kg	TOTAL PHENOLS (H ALOGENATED) mg/kg
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	<0.5
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	<0.5

			Analysis:	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	PHENOL mg/kg	TOTAL CRESOLS mg/kg	24-DIMETHYL PHENOL mg/kg	24-DINITROPHENOL mg/kg	2-METHYL-46-DINIT ROPHENOL mg/kg	2-NITROPHENOL mg/kg	4-NITROPHENOL mg/kg	2-CYCLOHEXYL-46- DINITROPHENOL mg/kg
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30

			Analysis:	Phenols(NonHalo)	Phenols(NonHalo)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	DINOSEB mg/kg	TOTAL PHENOLS (N ON HALOGENATED) mg/kg
12158374	28-01-26	BH18/0.4-0.5	SOIL	<10	<30
12158389	27-01-26	BH04/2.0-2.1	SOIL	<10	<30

			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	1112TCAN mg/kg	1122TCAN mg/kg	11DCANE mg/kg	11DCENE mg/kg	11DCPENE mg/kg	123TCPAN mg/kg	12DB3CLP mg/kg	12DCENEC mg/kg
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				12DCENET mg/kg	12DCLANE mg/kg	12DCLPANE mg/kg	13DCLPANE mg/kg	13DCLPRC mg/kg	13DCLPRT mg/kg	22DCPANE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				4CLTOL mg/kg	BCLMANE mg/kg	BDCMANE mg/kg	BRBENZ mg/kg	BROMOFOR mg/kg	CARTET mg/kg	CHCL3 mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				DBCLMANE mg/kg	DBMANE mg/kg	12DBRANE mg/kg	DCM mg/kg	TCLFMANE mg/kg	TETCENE mg/kg	VCL mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<1	<2	<0.5	<1
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<1	<2	<0.5	<1

Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL
				112TCANE mg/kg	TRICENE mg/kg	Toluene-d8-SURR %	14-Dichloroethane-d4-SURR %
Sample	Sampled Date	Your Ref	Component: Units: Sample Type				
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.5	<0.5	102.3	109
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.5	<0.5	108.25	123.9

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Batch No: 26-11117
 Report Number: 332239
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

**PFAS**

Sample	Sampled Date	Your Ref	Analysis: Component: Units: Sample Type	PFAS	PFAS	PFAS
				PERFLUOROHEXAN E SULFONIC ACID (P FHxS)	PERFLUOROCTAN E SULFONIC ACID (P FOS)	PERFLUOROCTAN OIC ACID (PFOA) mg/kg
12158374	28-01-26	BH18/0.4-0.5	SOIL	<0.0002	<0.0002	<0.0002
12158389	27-01-26	BH04/2.0-2.1	SOIL	<0.0002	<0.0002	<0.0002

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QUALITY CONTROL REPORT

Program	: DOUGLAS	Page	: 1 of 45
Client	: DOUGLAS	Laboratory	: Scoresby Laboratory
Contact	:	Telephone	: 03 8756 8000
Project	: 26-11117	Date Samples Received	: 30-January-2026
Customer Ref	: 239629-00 Brooklyn	Issue Date	: 06-February-2026
Sampler	: NL/AL	No. Samples Received	: 58
Order Number	:	No. Samples Analysed	: 20

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal and external review. Many components of this report contribute to the overall Quality assessment.

Brief method summaries and references are also provided to assist in traceability.

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Brief Method Summaries

The analytical procedures used by the Water Business have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at client request. The following table provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
BTEXN	WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve.
CHCS	WP084	SOIL	In-house: Referenced to US EPA, method 8270, 8121, 3510, 3540. Water samples are extracted with dichloromethane. Soil sediment and slurry samples are extracted with a dichloromethane: acetone mixture. Extracts are then analysed on a GCMS.
S-CN	WK026SF	SOIL	In-house: Referenced to APHA 4500-CN C / ASTM D7511. Caustic leachates of soil samples are determined on an automated segmented flow analyser.
PFOS/PFOA	EP231X	SOIL	In-house: Analysis of soils for PFAS by solvent extraction followed by LC-Electrospray-MS-MS using MRM. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.
FLUORIDE SED TOT	QWI-EN.WK 040T	SOIL	In-house: This method describes the determination of fluoride in soils and sediments.
HVOLs	WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve.
MAHs	WP125 & WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Leachate samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve.
MS Metals Rev Aq Reg	WG020B	SOIL	MS Metals Rev Aq Reg
OCP_SOIL	WP068A	SOIL	In-house: Referenced to US EPA, Method 8270E, 8081, 3510, 3540. This document describes the methods used for the extraction of organochlorine pesticides (OCP) from samples & their subsequent determination and quantitation by GC-MS.
PAHs in Soil	WP075B	SOIL	In house: Referenced to USEPA SW 846 - 8270E. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve.
PCBs in sediments	WP066	SOIL	Polychlorinated biphenyl
PH UNITS SEDIMENT	EA002	SOIL	In-house: APHA 4500H+. pH measurement is the determination of the activity of hydrogen ions by potentiometric measurement using electrodes. This method details the determination of pH value of soil, using a 1:5 soil / water leach procedure.
Phenols (Hal)	WP075A	SOIL	In-house: Referenced to USEPA SW 846 - 8270E This method is designed to determine the concentration of individual phenols in soil, sludge, sediment, water, TCLP, and ASLP samples by GCMS.
Phenols (Non Hal)	WP075A	SOIL	In-house: Referenced to USEPA SW 846 - 8270E This method is designed to determine the concentration of individual phenols in soil, sludge, sediment, water, TCLP, and ASLP samples. .
CHC Sum	WP084	SOIL	In-house: Referenced to US EPA, method 8270, 8121, 3510, 3540. Water samples are extracted with dichloromethane. Soil sediment and slurry samples are extracted with a dichloromethane: acetone mixture. Extracts are then analysed on a GCMS.
Chromium 6+ DA	EG048G	SOIL	In-house: Referenced to USEPA SW846, Method 3060A. Hexavalent chromium is extracted by alkaline digestion. The digest is determined by photometrically by automatic discrete analyser, following pH adjustment.
TRH F2	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C16.
TRH & TPH >C10	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range > C10 - C40.

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TRH & TPH C6-C10	WP074 (F1 not NATA)	SOIL	Total Recoverable Hydrocarbons (C6-C10) & F1
S-TS-FCALC		SOIL	FOR CALCULATION PURPOSES ONLY Total Solids for Soil

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Analysis Holding Time Compliance

Holding times may vary depending on test and preservation used. If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results. This report summarizes extraction / preparation and analysis times and compares each with ALS Water recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns.

Method		Extraction / Preparation			Analysis		
Sample Number							
WP074 :BTEXN	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158349	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158355	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158363	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158369	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158374	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158376	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158383	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓
12158386	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓
12158391	23-Jan-2026	7-Feb-2026	3-Feb-2026	✓	07-Feb-2026	03-Feb-2026	✓
12158394	23-Jan-2026	7-Feb-2026	3-Feb-2026	✓	07-Feb-2026	03-Feb-2026	✓
12158398	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	11-Feb-2026	03-Feb-2026	✓
12158405	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	11-Feb-2026	03-Feb-2026	✓
WP084 :CHCS	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
WK026SF :S-CN	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	11-Feb-2026	03-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	10-Feb-2026	03-Feb-2026	✓
EP231X :PFOS/PFOA	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	4-Aug-2026	2-Feb-2026	✓	04-Aug-2026	02-Feb-2026	✓
12158389	27-Jan-2026	3-Aug-2026	2-Feb-2026	✓	03-Aug-2026	02-Feb-2026	✓
QWI-EN.WK040T :FLUORIDE SED TOT	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	25-Feb-2026	4-Feb-2026	✓	26-Mar-2026	04-Feb-2026	✓
12158389	27-Jan-2026	24-Feb-2026	4-Feb-2026	✓	25-Mar-2026	04-Feb-2026	✓
WP074 :HVOLs	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓
WP125 & WP074 :MAHs	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓

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WG020B :MS Metals Rev Aq Reg	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158349	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158355	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158363	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158369	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158374	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158376	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158383	27-Jan-2026	3-Aug-2026	5-Feb-2026	✓	03-Aug-2026	05-Feb-2026	✓
12158386	27-Jan-2026	3-Aug-2026	5-Feb-2026	✓	03-Aug-2026	05-Feb-2026	✓
12158389	27-Jan-2026	3-Aug-2026	5-Feb-2026	✓	03-Aug-2026	05-Feb-2026	✓
12158391	23-Jan-2026	31-Jul-2026	5-Feb-2026	✓	31-Jul-2026	05-Feb-2026	✓
12158394	23-Jan-2026	31-Jul-2026	5-Feb-2026	✓	31-Jul-2026	05-Feb-2026	✓
12158398	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158405	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158350	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158352	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158362	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158366	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158377	28-Jan-2026	4-Aug-2026	5-Feb-2026	✓	04-Aug-2026	05-Feb-2026	✓
12158385	27-Jan-2026	3-Aug-2026	5-Feb-2026	✓	03-Aug-2026	05-Feb-2026	✓
12158393	23-Jan-2026	31-Jul-2026	5-Feb-2026	✓	31-Jul-2026	05-Feb-2026	✓
WP068A :OCP_SOIL	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
WP075B :PAHs in Soil	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158349	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158355	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158363	28-Jan-2026	11-Feb-2026	5-Feb-2026	✓	24-Mar-2026	05-Feb-2026	✓
12158369	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158376	28-Jan-2026	11-Feb-2026	5-Feb-2026	✓	24-Mar-2026	05-Feb-2026	✓
12158383	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
12158386	27-Jan-2026	10-Feb-2026	4-Feb-2026	✓	23-Mar-2026	04-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
12158391	23-Jan-2026	6-Feb-2026	5-Feb-2026	✓	20-Mar-2026	05-Feb-2026	✓
12158394	23-Jan-2026	6-Feb-2026	3-Feb-2026	✓	20-Mar-2026	03-Feb-2026	✓
12158398	28-Jan-2026	11-Feb-2026	4-Feb-2026	✓	24-Mar-2026	04-Feb-2026	✓
12158405	28-Jan-2026	11-Feb-2026	5-Feb-2026	✓	24-Mar-2026	05-Feb-2026	✓
WP066 :PCBs in sediments	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
EA002 :PH UNITS SEDIMENT	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	4-Feb-2026	3-Feb-2026	✓	04-Feb-2026	03-Feb-2026	✓
12158389	27-Jan-2026	3-Feb-2026	3-Feb-2026	✗	03-Feb-2026	03-Feb-2026	✗

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WP075A :Phenols (Hal)	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
WP075A :Phenols (Non Hal)	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
EG048G :Chromium 6+ DA	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158374	28-Jan-2026	25-Feb-2026	2-Feb-2026	✓	25-Feb-2026	02-Feb-2026	✓
12158389	27-Jan-2026	24-Feb-2026	2-Feb-2026	✓	24-Feb-2026	02-Feb-2026	✓
WP071 :TRH F2	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158349	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
12158355	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
12158363	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
12158369	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
12158374	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
12158376	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
12158383	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
12158386	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
12158389	27-Jan-2026	27-Jan-2026		N/A	27-Jan-2026		N/A
12158391	23-Jan-2026	23-Jan-2026		N/A	23-Jan-2026		N/A
12158394	23-Jan-2026	23-Jan-2026		N/A	23-Jan-2026		N/A
12158398	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
12158405	28-Jan-2026	28-Jan-2026		N/A	28-Jan-2026		N/A
WP071 :TRH & TPH >C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158349	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158355	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158363	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158369	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158374	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158376	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158383	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
12158386	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	3-Feb-2026	✓	23-Mar-2026	03-Feb-2026	✓
12158391	23-Jan-2026	6-Feb-2026	3-Feb-2026	✓	20-Mar-2026	03-Feb-2026	✓
12158394	23-Jan-2026	6-Feb-2026	3-Feb-2026	✓	20-Mar-2026	03-Feb-2026	✓
12158398	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓
12158405	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	24-Mar-2026	03-Feb-2026	✓

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WP074 (F1 not NATA) :TRH & TPH C6-C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12158349	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158355	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158363	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158369	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158374	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158376	28-Jan-2026	11-Feb-2026	2-Feb-2026	✓	11-Feb-2026	02-Feb-2026	✓
12158383	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓
12158386	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓
12158389	27-Jan-2026	10-Feb-2026	2-Feb-2026	✓	10-Feb-2026	02-Feb-2026	✓
12158391	23-Jan-2026	7-Feb-2026	3-Feb-2026	✓	07-Feb-2026	03-Feb-2026	✓
12158394	23-Jan-2026	7-Feb-2026	3-Feb-2026	✓	07-Feb-2026	03-Feb-2026	✓
12158398	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	11-Feb-2026	03-Feb-2026	✓
12158405	28-Jan-2026	11-Feb-2026	3-Feb-2026	✓	11-Feb-2026	03-Feb-2026	✓

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QUALITY CONTROL - BLANKS

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination.

Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value
12169045	QC - Blank	BTEXN: BENZENE	<0.5	mg/kg	<0.5
		BTEXN: BTEX (Sum)	<1	mg/kg	<1
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1
		BTEXN: XYLENE-MP	<1	mg/kg	<1
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5
12169063	QC - Blank	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20
12169309	QC - Blank	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	<0.0002
		PFOS/PFOA: PERFLUOROOCANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	<0.0002
		PFOS/PFOA: PERFLUOROOCANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002
12169922	QC - Blank	HVOLs: 1112TCAN	<0.5	mg/kg	<0.5
		HVOLs: 111TCANE	<0.5	mg/kg	<0.5
		HVOLs: 1122TCAN	<0.5	mg/kg	<0.5
		HVOLs: 112TCANE	<0.5	mg/kg	<0.5
		HVOLs: 11DCANE	<0.5	mg/kg	<0.5
		HVOLs: 11DCENE	<0.5	mg/kg	<0.5
		HVOLs: 11DCPENE	<0.5	mg/kg	<0.5
		HVOLs: 123TCPAN	<0.5	mg/kg	<0.5

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QUALITY CONTROL - BLANKS

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					Sample Value
12169922	QC - Blank	HVOLs: 12DB3CLP	<0.5	mg/kg	<0.5
		HVOLs: 12DBRANE	<0.5	mg/kg	<0.5
		HVOLs: 12DCENEC	<0.5	mg/kg	<0.5
		HVOLs: 12DCENET	<0.5	mg/kg	<0.5
		HVOLs: 12DCLANE	<0.5	mg/kg	<0.5
		HVOLs: 12DCLPANE	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPANE	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPRC	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPRT	<0.5	mg/kg	<0.5
		HVOLs: 14-Dichloroethane-d4-SURR		%	111.2
		HVOLs: 22DCPANE	<0.5	mg/kg	<0.5
		HVOLs: 2CLTOL	<0.5	mg/kg	<0.5
		HVOLs: 4CLTOL	<0.5	mg/kg	<0.5
		HVOLs: BCLMANE	<0.5	mg/kg	<0.5
		HVOLs: BDCMANE	<0.5	mg/kg	<0.5
		HVOLs: BRBENZ	<0.5	mg/kg	<0.5
		HVOLs: BROMOFOR	<0.5	mg/kg	<0.5
		HVOLs: CARTET	<0.5	mg/kg	<0.5
		HVOLs: CHCL3	<0.5	mg/kg	<0.5
		HVOLs: CHLOBENZ	<0.5	mg/kg	<0.5
HVOLs: DBCLMANE	<0.5	mg/kg	<0.5		
HVOLs: DBMANE	<0.5	mg/kg	<0.5		

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					Sample Value
12169922	QC - Blank	HVOLs: DCM	<1	mg/kg	<1
		HVOLs: TCLFMANE	<2	mg/kg	<2
		HVOLs: TETCENE	<0.5	mg/kg	<0.5
		HVOLs: Toluene-d8-SURR		%	107.8
		HVOLs: TRICENE	<0.5	mg/kg	<0.5
		HVOLs: VCL	<1	mg/kg	<1
12169934	QC - Blank	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<0.5
		MAHs: BENZENE	<0.5	mg/kg	<0.5
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<0.5
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<0.5
		MAHs: STYRENE	<0.5	mg/kg	<0.5
		MAHs: TOLUENE	<0.5	mg/kg	<0.5
		MAHs: XYLENES	<0.5	mg/kg	<0.5
12175174	QC - Blank	BTEXN: BENZENE	<0.5	mg/kg	<0.5
		BTEXN: BTEX (Sum)	<1	mg/kg	<1
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1
		BTEXN: XYLENE-MP	<1	mg/kg	<1
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5
12175214	QC - Blank	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50

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					Sample Value
12175214	QC - Blank	TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50
12175485	QC - Blank	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 1235TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1
		CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1
		CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1

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					Sample Value
12175485	QC - Blank	CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1
12175516	QC - Blank	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): 24-DINITROPHENOL	<30	mg/kg	<30
		Phenols (Non Hal): 2-CYCLOHEXYL-46-DINITROPHENOL	<30	mg/kg	<30
		Phenols (Non Hal): 2-METHYL-46-DINITROPHENOL	<10	mg/kg	<10
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): 4-NITROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): DINOSEB	<10	mg/kg	<10
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1
		Phenols (Non Hal): TOTAL PHENOLS (NON HALOGENATED)	<30	mg/kg	<30
		12175522	QC - Blank	Phenols (Hal): 2345 TETRACHLOROPHENOL	<0.5
Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): 2356 TETRACHLOROPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): 245-TRICHLOROPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): 246-TRICHLOROPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): 24-DICHLOROPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): 26-DICHLOROPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): 2-CHLOROPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5			mg/kg	<0.5
Phenols (Hal): PENTACHLOROPHENOL	<0.5			mg/kg	<0.5

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QUALITY CONTROL - BLANKS

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					Sample Value
12175522	QC - Blank	Phenols (Hal): TOTAL PHENOLS (HALOGENATED)	<0.5	mg/kg	<0.5
12175623	QC - Blank	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.1
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.2
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: p-Terphenyl-d14-SURR		%	108
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1
PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1		

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QUALITY CONTROL - BLANKS

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				Sample Value
12175631	QC - Blank	OCP_SOIL: 2456-tetrachloro-m-xylene-SURR	%	112
		OCP_SOIL: A-BHC	<0.05 mg/kg	<0.05
		OCP_SOIL: A-ENDOSULPHAN	<0.05 mg/kg	<0.05
		OCP_SOIL: ALDRIN	<0.05 mg/kg	<0.05
		OCP_SOIL: ALDRIN & DIELDRIN	<0.05 mg/kg	<0.05
		OCP_SOIL: B-BHC	<0.05 mg/kg	<0.05
		OCP_SOIL: B-ENDOSULPHAN	<0.05 mg/kg	<0.05
		OCP_SOIL: C-CHLORDANE	<0.05 mg/kg	<0.05
		OCP_SOIL: CHLORDANE	<0.05 mg/kg	<0.05
		OCP_SOIL: D-BHC	<0.05 mg/kg	<0.05
		OCP_SOIL: DDD	<0.05 mg/kg	<0.05
		OCP_SOIL: DDD & DDE & DDT	<0.05 mg/kg	<0.05
		OCP_SOIL: DDE	<0.05 mg/kg	<0.05
		OCP_SOIL: DDT	<0.05 mg/kg	<0.05
		OCP_SOIL: DIELDRIN	<0.05 mg/kg	<0.05
		OCP_SOIL: ENDOSULFAN SULPHATE	<0.05 mg/kg	<0.05
		OCP_SOIL: ENDOSULPHAN	<0.05 mg/kg	<0.05
		OCP_SOIL: ENDRIN	<0.05 mg/kg	<0.05
		OCP_SOIL: ENDRIN ALDEHYDE	<0.05 mg/kg	<0.05
		OCP_SOIL: ENDRIN KETONE	<0.05 mg/kg	<0.05
		OCP_SOIL: HEPTACHLOR	<0.05 mg/kg	<0.05
		OCP_SOIL: HEPTACHLOREPOXIDE	<0.05 mg/kg	<0.05

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QUALITY CONTROL - BLANKS

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					Sample Value
12175631	QC - Blank	OCP_SOIL: HEXACHLOROBENZENE	<0.05	mg/kg	<0.05
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.05
		OCP_SOIL: OXYCHLORDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.05
12175637	QC - Blank	PCBs in sediments: 2-fluorobiphenyl-SURR		%	132
		PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1221	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1232	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1242	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1248	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1254	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1
		PCBs in sediments: TOTAL PCBs	<0.1	mg/kg	<0.1
12175683	QC - Blank	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50

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					Sample Value
12185559	QC - Blank	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.1
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.2
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: p-Terphenyl-d14-SURR		%	100
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1
PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1		
12190006	QC - Blank	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5

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					Sample Value
12190006	QC - Blank	MS Metals Rev Aq Reg: AS	<5	mg/kg	<5
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2
		MS Metals Rev Aq Reg: CR	<5	mg/kg	<5
		MS Metals Rev Aq Reg: CU	<5	mg/kg	<5
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5
		MS Metals Rev Aq Reg: NI	<5	mg/kg	<5
		MS Metals Rev Aq Reg: PB	<5	mg/kg	<5
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	<5
12190547	QC - Blank	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1

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QUALITY CONTROL - BLANKS

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination.

					Sample Value
12190547	QC - Blank	PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: p-Terphenyl-d14-SURR		%	118
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1

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QUALITY CONTROL - DUPLICATES

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Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Duplicate Value	% RPD
12169041	12156737	BTEXN: BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: BTEX (Sum)	<1	mg/kg	<1	<1	0
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-MP	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	<0.5	0
12169049	12162914	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20	<20	0
12169296	12152494	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	<0.0002	<0.0002	0
		PFOS/PFOA: PERFLUOROOCANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	<0.0002	<0.0002	0
		PFOS/PFOA: PERFLUOROOCANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002	<0.0002	0
12169914	12156542	HVOLs: 1112TCAN	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 111TCANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 1122TCAN	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 112TCANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 11DCANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 11DCENE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 11DCPENE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 123TCPAN	<0.5	mg/kg	<0.5	<0.5	0

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					Sample Value	Duplicate Value	% RPD
12169914	12156542	HVOLs: 12DB3CLP	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 12DBRANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 12DCENEC	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 12DCENET	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 12DCLANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 12DCLPANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 13DCLPANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 13DCLPRC	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 13DCLPRT	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 14-Dichloroethane-d4-SURR		%	111.95	115.15	2.8
		HVOLs: 22DCPANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 2CLTOL	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: 4CLTOL	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: BCLMANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: BDCMANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: BRBENZ	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: BROMOFOR	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: CARTET	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: CHCL3	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: CHLOBENZ	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: DBCLMANE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: DBMANE	<0.5	mg/kg	<0.5	<0.5	0

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					Sample Value	Duplicate Value	% RPD
12169914	12156542	HVOLs: DCM	<1	mg/kg	<1	<1	0
		HVOLs: TCLFMANE	<2	mg/kg	<2	<2	0
		HVOLs: TETCENE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: Toluene-d8-SURR		%	105.9	113.6	7.0
		HVOLs: TRICENE	<0.5	mg/kg	<0.5	<0.5	0
		HVOLs: VCL	<1	mg/kg	<1	<1	0
12169929	12156542	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<0.5	<0.5	0
		MAHs: BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<0.5	<0.5	0
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		MAHs: STYRENE	<0.5	mg/kg	<0.5	<0.5	0
		MAHs: TOLUENE	<0.5	mg/kg	<0.5	<0.5	0
		MAHs: XYLENES	<0.5	mg/kg	<0.5	<0.5	0
12170793	12168090	PH UNITS SEDIMENT: PH_SED	<0.1	Units	7.8	7.9	0.6
12174387	12156617	Chromium 6+ DA: TOTAL CHROMIUM 6+	<1	mg/kg	<1	<1	0
12175172	12157842	BTEXN: BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: BTEX (Sum)	<1	mg/kg	2	2	2.2
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOTAL XYLENES	<1	mg/kg	2	2	2.2
		BTEXN: XYLENE-MP	<1	mg/kg	<1	<1	0

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					Sample Value	Duplicate Value	% RPD
12175172	12157842	BTEXN: XYLENE-O	<0.5	mg/kg	1.8	1.7	2.2
12175184	12158841	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20	<20	0
12175210	12158374	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50	<50	0
12175482	12158374	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 1235TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
12175482	12158374	CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
12175511	12158374	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): 24-DINITROPHENOL	<30	mg/kg	<30	<30	0
		Phenols (Non Hal): 2-CYCLOHEXYL-46-DINITROPHENOL	<30	mg/kg	<30	<30	0
		Phenols (Non Hal): 2-METHYL-46-DINITROPHENOL	<10	mg/kg	<10	<10	0
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): 4-NITROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): DINOSEB	<10	mg/kg	<10	<10	0
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1	<1	0
		Phenols (Non Hal): TOTAL PHENOLS (NON HALOGENATED)	<30	mg/kg	<30	<30	0
12175517	12158374	Phenols (Hal): 2345 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2356 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 245-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 246-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0

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					Sample Value	Duplicate Value	% RPD
12175517	12158374	Phenols (Hal): 24-DICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 26-DICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2-CHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): PENTACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): TOTAL PHENOLS (HALOGENATED)	<0.5	mg/kg	<0.5	<0.5	0
12175621	12158355	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.1	0.1	0.0
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.2	0.2	0.0
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	<0.1	0
PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	<0.1	0		

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					Sample Value	Duplicate Value	% RPD
12175621	12158355	PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: p-Terphenyl-d14-SURR		%	98	92	6.3
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1	<0.1	0
12175624	12162225	OCP_SOIL: 2456-tetrachloro-m-xylene-SURR		%	96	84	13.3
		OCP_SOIL: A-BHC	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: A-ENDOSULPHAN	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: ALDRIN	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: ALDRIN & DIELDRIN	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: B-BHC	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: B-ENDOSULPHAN	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: C-CHLORDANE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: CHLORDANE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: D-BHC	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: DDD	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: DDD & DDE & DDT	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: DDE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: DDT	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: DIELDRIN	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: ENDOSULFAN SULPHATE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: ENDOSULPHAN	<0.05	mg/kg	<0.06	<0.06	0

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					Sample Value	Duplicate Value	% RPD
12175624	12162225	OCP_SOIL: ENDRIN	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: ENDRIN ALDEHYDE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: ENDRIN KETONE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: HEPTACHLOR	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: HEPTACHLOREPOXIDE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: HEXACHLOROBENZENE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: OXYCHLORDANE	<0.05	mg/kg	<0.06	<0.06	0
		OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.06	<0.06	0
12175635	12156614	PCBs in sediments: 2-fluorobiphenyl-SURR		%	104	96	8.0
		PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1221	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1232	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1242	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1248	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1254	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: TOTAL PCBs	<0.1	mg/kg	<0.1	<0.1	0
12175678	12149352	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20	<20	0

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					Sample Value	Duplicate Value	% RPD
12175678	12149352	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50	<50	0
12185555	12168090	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.4	0.4	0.0
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.7	0.7	0.0
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.3	<0.1	0
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.3	0.3	NA
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.3	<0.3	0
PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.3	<0.3	0		

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					Sample Value	Duplicate Value	% RPD
12185555	12168090	PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.3	0.3	NA
		PAHs in Soil: p-Terphenyl-d14-SURR		%	84	88	4.7
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.3	0.6	NA
12186448	12158374	FLUORIDE SED TOT: FLUORIDE_SED	<100	mg/kg	270	260	1.7
12190000	12162225	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: AS	<5	mg/kg	8	8	1.0
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	<0.2	0
		MS Metals Rev Aq Reg: CR	<5	mg/kg	28	24	16.6
		MS Metals Rev Aq Reg: CU	<5	mg/kg	16	15	11.7
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05	<0.05	0
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: NI	<5	mg/kg	34	31	7.3
		MS Metals Rev Aq Reg: PB	<5	mg/kg	7	8	11.1
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3	<3	0
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	55	52	6.6
12190545	12168462	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	0.1	NA
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.7	1.0	30.9
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.8	1.0	29.2

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					Sample Value	Duplicate Value	% RPD
12190545	12168462	PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	0.7	0.9	32.8
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	0.5	0.6	3.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	0.5	0.7	23.7
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	0.4	0.6	38.0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	0.3	0.4	28.6
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	0.4	0.6	38.0
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	0.4	0.5	19.3
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	0.9	1.0	9.5
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	0.3	0.4	31.7
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	0.5	0.3	28.6
		PAHs in Soil: p-Terphenyl-d14-SURR		%	96	96	0.0
		PAHs in Soil: PYRENE	<0.1	mg/kg	0.9	1.0	14.4
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	5.1	6.2	19.5

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Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Expected Value	% Recovery
12169038	12156550	BTEXN: BENZENE	<0.5	mg/kg	<0.5	4.2	83.9
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	4.2	67.6
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	4.2	85.4
		BTEXN: XYLENE-MP	<1	mg/kg	<1	8.5	79.4
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	4.2	86.1
12169057	12156741	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	120	87.3
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	110	84.7
12169298	12152502	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	<0.0002	0.0011	115
		PFOS/PFOA: PERFLUOROOCANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	<0.0002	0.0014	106
		PFOS/PFOA: PERFLUOROOCANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002	0.0013	99.6
12169918	12156550	HVOLs: 1112TCAN	<0.5	mg/kg	<0.5	4.2	93.3
		HVOLs: 111TCANE	<0.5	mg/kg	<0.5	4.2	94.1
		HVOLs: 1122TCAN	<0.5	mg/kg	<0.5	4.2	107
		HVOLs: 112TCANE	<0.5	mg/kg	<0.5	4.2	94.6
		HVOLs: 11DCANE	<0.5	mg/kg	<0.5	4.2	91.4
		HVOLs: 11DCENE	<0.5	mg/kg	<0.5	4.2	98.8
		HVOLs: 11DCPENE	<0.5	mg/kg	<0.5	4.2	66.2
		HVOLs: 123TCPAN	<0.5	mg/kg	<0.5	4.2	104
		HVOLs: 12DB3CLP	<0.5	mg/kg	<0.5	4.2	78.3
		HVOLs: 12DBRANE	<0.5	mg/kg	<0.5	4.2	88.7
		HVOLs: 12DCENEC	<0.5	mg/kg	<0.5	4.2	75.6
		HVOLs: 12DCENET	<0.5	mg/kg	<0.5	4.2	81.1

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					Sample Value	Expected Value	% Recovery
12169918	12156550	HVOLs: 12DCLANE	<0.5	mg/kg	<0.5	4.2	102
		HVOLs: 12DCLPANE	<0.5	mg/kg	<0.5	4.2	85.3
		HVOLs: 13DCLPANE	<0.5	mg/kg	<0.5	4.2	99.4
		HVOLs: 13DCLPRC	<0.5	mg/kg	<0.5	4.2	62.3
		HVOLs: 13DCLPRT	<0.5	mg/kg	<0.5	4.2	64.4
		HVOLs: 22DCPANE	<0.5	mg/kg	<0.5	4.2	79.1
		HVOLs: 2CLTOL	<0.5	mg/kg	<0.5	4.2	76.4
		HVOLs: 4CLTOL	<0.5	mg/kg	<0.5	4.2	71.9
		HVOLs: BCLMANE	<0.5	mg/kg	<0.5	4.2	97.5
		HVOLs: BDCMANE	<0.5	mg/kg	<0.5	4.2	95.8
		HVOLs: BRBENZ	<0.5	mg/kg	<0.5	4.2	73.7
		HVOLs: BROMOFOR	<0.5	mg/kg	<0.5	4.2	101
		HVOLs: CARTET	<0.5	mg/kg	<0.5	4.2	101
		HVOLs: CHCL3	<0.5	mg/kg	<0.5	4.2	97.8
		HVOLs: CHLOBENZ	<0.5	mg/kg	<0.5	4.2	87.2
		HVOLs: DBCLMANE	<0.5	mg/kg	<0.5	4.2	89.3
		HVOLs: DBMANE	<0.5	mg/kg	<0.5	4.2	105
		HVOLs: DCM	<1	mg/kg	<1	4.2	106
		HVOLs: TCLFMANE	<2	mg/kg	<2	4.2	114
		HVOLs: TETCENE	<0.5	mg/kg	<0.5	4.2	88.2
		HVOLs: TRICENE	<0.5	mg/kg	<0.5	4.2	86.7
		HVOLs: VCL	<1	mg/kg	<1	4.2	146

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					Sample Value	Expected Value	% Recovery
12169933	12158374	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<0.5	4.6	66.5
		MAHs: BENZENE	<0.5	mg/kg	<0.5	4.6	87.9
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<0.5	4.6	82.9
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<0.5	4.6	72.8
		MAHs: STYRENE	<0.5	mg/kg	<0.5	4.6	66.4
		MAHs: TOLUENE	<0.5	mg/kg	<0.5	4.6	84.6
		MAHs: XYLENES	<0.5	mg/kg	<0.5	14	84.8
12174372	12157842	Chromium 6+ DA: TOTAL CHROMIUM 6+	<1	mg/kg	<1	20	89.4
12175171	12149353	BTEXN: BENZENE	<0.5	mg/kg	<0.5	4.3	93.0
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	4.3	78.4
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	4.3	98.9
		BTEXN: XYLENE-MP	<1	mg/kg	<1	8.6	88.8
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	4.3	96.8
12175182	12168834	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	110	94.2
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	110	91.6
12175213	12158394	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	56	820	123
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	110	910	124
12175483	12158389	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	107
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	110
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	3.4	109
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	110
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	106

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					Sample Value	Expected Value	% Recovery
12175483	12158389	CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	112
		CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	117
		CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	120
		CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1	1.7	109
		CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1	1.7	115
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1	1.7	113
		CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1	1.7	121
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1	1.7	103
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1	1.7	107
		CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1	1.7	108
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1	1.7	106
12175512	12158389	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5	1.7	101
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5	1.7	73.8
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5	1.7	89.2
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1	5.0	86.5
12175518	12158389	Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	3.4	66.5
		Phenols (Hal): 245-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	1.7	68.0
		Phenols (Hal): 246-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	1.7	65.4
		Phenols (Hal): 24-DICHLOROPHENOL	<0.5	mg/kg	<0.5	1.7	87.4
		Phenols (Hal): 26-DICHLOROPHENOL	<0.5	mg/kg	<0.5	1.7	81.4
		Phenols (Hal): 2-CHLOROPHENOL	<0.5	mg/kg	<0.5	1.7	91.4
		Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5	mg/kg	<0.5	1.7	78.6

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QUALITY CONTROL - SPIKES

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

					Sample Value	Expected Value	% Recovery
12175618	12158389	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	1.7	88.2
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	1.7	94.2
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	1.7	89.0
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	1.7	92.2
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	1.7	87.8
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	1.7	88.4
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	1.7	84.8
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	1.7	88.8
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	1.7	87.8
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	1.7	83.6
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	1.7	91.4
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	1.7	90.2
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	1.7	83.6
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	1.7	94.2
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	1.7	91.6
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	1.7	90.8
12175628	12158389	OCP_SOIL: A-BHC	<0.05	mg/kg	<0.05	3.4	92.9
		OCP_SOIL: A-ENDOSULPHAN	<0.05	mg/kg	<0.05	1.7	93.6
		OCP_SOIL: ALDRIN	<0.05	mg/kg	<0.05	1.7	99.2
		OCP_SOIL: B-BHC	<0.05	mg/kg	<0.05	2.9	74.9
		OCP_SOIL: B-ENDOSULPHAN	<0.05	mg/kg	<0.05	1.7	90.6
		OCP_SOIL: C-CHLORDANE	<0.05	mg/kg	<0.05	1.7	92.4

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QUALITY CONTROL - SPIKES

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					Sample Value	Expected Value	% Recovery
12175628	12158389	OCP_SOIL: CHLORDANE	<0.05	mg/kg	<0.05	3.4	99.6
		OCP_SOIL: D-BHC	<0.05	mg/kg	<0.05	3.4	92.4
		OCP_SOIL: DDD	<0.05	mg/kg	<0.05	1.7	95.2
		OCP_SOIL: DDE	<0.05	mg/kg	<0.05	1.7	90.8
		OCP_SOIL: DDT	<0.05	mg/kg	<0.05	1.7	84.8
		OCP_SOIL: DIELDRIN	<0.05	mg/kg	<0.05	1.7	96.0
		OCP_SOIL: ENDOSULFAN SULPHATE	<0.05	mg/kg	<0.05	1.7	73.0
		OCP_SOIL: ENDRIN	<0.05	mg/kg	<0.05	1.7	64.2
		OCP_SOIL: ENDRIN ALDEHYDE	<0.05	mg/kg	<0.05	1.7	111
		OCP_SOIL: ENDRIN KETONE	<0.05	mg/kg	<0.05	1.7	100
		OCP_SOIL: HEPTACHLOR	<0.05	mg/kg	<0.05	1.7	93.6
		OCP_SOIL: HEPTACHLOREPOXIDE	<0.05	mg/kg	<0.05	1.7	91.0
		OCP_SOIL: HEXACHLOROBENZENE	<0.05	mg/kg	<0.05	3.0	104
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.05	3.4	90.0
		OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.05	1.7	72.4
		OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.05	1.7	94.0
12175634	12158389	PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1	2.9	99.0
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1	3.0	101
12175681	12162474	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	870	111
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	94	980	101
12185554	12168465	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	1.3	83.2
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	1.3	91.0

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					Sample Value	Expected Value	% Recovery
12185554	12168465	PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	1.3	92.4
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	91.0
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	1.3	90.2
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	90.0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	1.3	81.6
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	93.6
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	1.3	89.2
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	76.6
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	91.0
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	1.3	85.8
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	1.3	80.8
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	1.3	89.8
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	1.3	91.4
		PAHs in Soil: p-Terphenyl-d14-SURR		%	92	88	100
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	1.3	90.0
12186445	12158374	FLUORIDE SED TOT: FLUORIDE_SED	<100	mg/kg	270	660	85.7
12190001	12162225	MS Metals Rev Aq Reg: AS	<5	mg/kg	8	110	84.5
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	100	87.0
		MS Metals Rev Aq Reg: CR	<5	mg/kg	28	130	85.7
		MS Metals Rev Aq Reg: CU	<5	mg/kg	16	110	82.2
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05	1.0	105
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5	100	101

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QUALITY CONTROL - SPIKES

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					Sample Value	Expected Value	% Recovery
12190001	12162225	MS Metals Rev Aq Reg: NI	<5	mg/kg	34	130	105
		MS Metals Rev Aq Reg: PB	<5	mg/kg	7	110	99.0
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3	100	82.9
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	100	88.9
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	55	150	95.0
12190544	12168466	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	1.3	83.6
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	1.3	89.2
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	1.3	88.6
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	88.2
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	1.3	92.8
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	92.6
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	1.3	86.2
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	92.6
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	1.3	91.0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	82.8
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	87.4
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	1.3	85.2
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	1.3	86.6
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	1.3	90.2
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	1.3	86.2
PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	1.3	85.0		

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Measurement of Uncertainty.

When any measurement is made there are a number of factors that affect how accurate the result is. Every step undertaken in the analysis of a sample is subject to some (small) level of error. Estimates of measurement uncertainty provide information about the relative size of the error. As such, MU is an important aspect of any result. Refer to Enviromail™ 53 - What is Measurement Uncertainty for more information.

Analysis	Method Code	Component	Location
			MEL
FLUORIDE SED TOT	QWI-EN.WK040T	FLUORIDE_SED	22%
S-CN	WK026SF	CYANIDE	20%

Analysis	Method Code	Component	Location
			MEL
MS Metals Rev Aq Reg	WG020B	AG	19%
		AS	20%
		CD	10%
		CR	18%
		CU	16%
		HG	23%
		MO	13%
		NI	16%
		PB	12%
		SE	21%
		SN	11%
		ZN	22%

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Analysis	Method Code	Component	Location
			MEL
Chromium 6+ DA	EG048G	TOTAL CHROMIUM 6+	20%

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Analysis	Method Code	Component	Location
			MEL
BTEXN	WP074	BENZENE	22%
		ETHYL BENZENE	17%
		NAPHTHALENE	24%
		TOLUENE	15%
		XYLENE-MP	16%
		XYLENE-O	17%
CHCS	WP084	1234TETRACHLOROBENZENE	24%
		123TRICHLOROBENZENE	31%
		1245TETRACHLOROBENZENE	25%
		124TRICHLOROBENZENE	32%
		12-DICHLOROBENZENE	18%
		135TRICHLOROBENZENE	22%
		13-DICHLOROBENZENE	21%
		14-DICHLOROBENZENE	20%
		2 CHLORONAPHTHALENE	22%
		BENZAL CHLORIDE	15%
		BENZOTRICHLORIDE	27%
		BENZYLCHLORIDE	18%
		HEXACHLOROBUTADIENE	27%
		HEXACHLOROCYCLOPENTADIENE	30%
		HEXACHLOROETHANE	24%
		PENTACHLOROBENZENE	33%

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HVOLs	WP074		MEL
		1112TCAN	15%
		111TCANE	20%
		1122TCAN	21%
		112TCANE	18%
		11DCANE	26%
		11DCENE	26%
		11DCPENE	23%
		123TCPAN	22%
		12DB3CLP	16%
		12DBRANE	15%
		12DCENEC	29%
		12DCENET	29%
		12DCLANE	26%
		12DCLPANE	24%
		13DCLPANE	19%
		13DCLPRC	15%
		13DCLPRT	22%
		22DCPANE	21%
		2CLTOL	15%
		4CLTOL	16%
		BCLMANE	26%
		BDCMANE	22%
		BRBENZ	15%

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			MEL
HVOLs	WP074	BROMOFOR	19%
		CARTET	19%
		CHCL3	24%
		CHLOBENZ	17%
		DBCLMANE	15%
		DBMANE	26%
		DCM	26%
		TCLFMANE	28%
		TETCENE	19%
		TRICENE	27%
		VCL	32%
MAHs	WP125 & WP074	124-TRIMETHYLBENZENE/TMB	18%
		BENZENE	25%
		CUMENE/ISOPROPYL BENZENE/EMB	20%
		ETHYL BENZENE	19%
		STYRENE	21%
		TOLUENE	18%
		XYLENES	19%
OCP_SOIL	WP068A	A-BHC	22%
		A-ENDOSULPHAN	24%
		ALDRIN	27%
		B-BHC	26%
		B-ENDOSULPHAN	24%

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			MEL
OCP_SOIL	WP068A	C-CHLORDANE	23%
		CHLORDANE	22%
		D-BHC	29%
		DDD	27%
		DDE	16%
		DDT	29%
		DIELDRIN	23%
		ENDOSULFAN SULPHATE	28%
		ENDRIN	29%
		ENDRIN ALDEHYDE	31%
		ENDRIN KETONE	24%
		HEPTACHLOR	22%
		HEPTACHLOREPOXIDE	22%
		HEXACHLOROBENZENE	20%
		LINDANE	23%
		METHOXYCHLOR	41%
		OXYCHLORDANE	20%
TRANS-CHLORDANE	21%		
PAHs in Soil	WP075B	ACENAPHTHENE	18%
		ACENAPHTHYLENE	17%
		ANTHRACENE	18%
		BENZ(A)ANTHRACENE	27%
		BENZO(A)PYRENE	21%

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			MEL
PAHs in Soil	WP075B	BENZO(B)FLUORANTHENE	25%
		BENZO(GHI)PERYLENE	31%
		BENZO(K)FLUORANTHENE	22%
		CHRYSENE	21%
		DIBENZ(AH)ANTHRACENE	27%
		FLUORANTHENE	26%
		FLUORENE	15%
		INDENO(123-CD)PYRENE	23%
		NAPHTHALENE	15%
		PHENANTHRENE	19%
		PYRENE	27%
PCBs in sediments	WP066	AROCLOR 1016	19%
		AROCLOR 1260	23%
PFOS/PFOA	EP231X	PERFLUOROHEXANE SULFONIC ACID (PFHxS)	25%
		PERFLUOROOCTANE SULFONIC ACID (PFOS)	28%
		PERFLUOROOCTANOIC ACID (PFOA)	27%
Phenols (Hal)	WP075A	2345 TETRACHLOROPHENOL	20%
		2346 TETRACHLOROPHENOL	15%
		2356 TETRACHLOROPHENOL	16%
		245-TRICHLOROPHENOL	20%
		246-TRICHLOROPHENOL	18%
		24-DICHLOROPHENOL	19%
		26-DICHLOROPHENOL	17%

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			MEL
Phenols (Hal)	WP075A	2-CHLOROPHENOL	17%
		4-CHLORO-3-METHYLPHENOL	17%
		PENTACHLOROPHENOL	29%
Phenols (Non Hal)	WP075A	2,4-DIMETHYL PHENOL	16%
		2-METHYL-4,6-DINITROPHENOL	20%
		2-NITROPHENOL	19%
		4-NITROPHENOL	16%
		DINOSEB	20%
		PHENOL	18%
		TOTAL CRESOLS	26%
TRH & TPH >C10	WP071	TPH C15-C28	26%
		TRH>C16-C34	27%
TRH & TPH C6-C10	WP074 (F1 not NATA)	TPH_C6-C9	23%
		TRH_C6-C10	21%
		TRH_C6-C10 minus BTEX	21%

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CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00		Suburb: Brooklyn				To: ALS Water Resources Group													
Project Manager: Avi Poonyth								Dispatch date: 30/01/2026											
Lab ID	Sample ID	Date Sampled	Sample Type			Container Type		Analytes								Notes/ Preservation/ Additional Requirements			
	Location / Other ID		S - soil	W - water	M - Material	G - glass	P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals									
	TP08/0.1-0.2	28/01/26	S			G			✓										
	TP08/0.8-0.9	28/01/26	S			G													
	TP17/0.1-0.2	28/01/26	S			G													
	TP17/0.8-0.9	28/01/26	S			G				✓									
	TP21/0.1-0.2	28/01/26	S			G													
	TP21/0.8-0.9	28/01/26	S			G													
	TP09/0.1-0.2	28/01/26	S			G			✓										
	TP09/0.6-0.7	28/01/26	S			G													
	TP10/0.1-0.2	28/01/26	S			G													
	TP10/0.7-0.8	28/01/26	S			G													
	BH18/0.0-0.1	28/01/26	S			G													
	BH18/0.4-0.5	28/01/26	S			G+P		✓											
	BH18/1.0-1.1	28/01/26	S			G													
	BH18/2.0-2.1	28/01/26	S			G+P		✓											
	BH18/3.0-3.1	28/01/26	S			G				✓									
	BH18/4.0-4.1	28/01/26	S			G													
	BH18/5.0-5.1	28/01/26	S			G													
	BH18/6.0-6.1	28/01/26	S			G													

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GROUND
EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00		Suburb: Brooklyn						To: ALS Water Resources Group											
Project Manager: Avi Poonyth								Dispatch date: 30/01/2026											
Lab ID	Sample ID	Date Sampled	Sample Type			Container Type		Analytes								Notes/ Preservation/ Additional Requirements			
	Location / Other ID		S - soil	W - water	M - Material	G - glass	P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals									
	BH18/7.0-7.1	28/01/26	S			G													
	BH14/0.0-0.1	27/01/26	S			G													
	BH14/0.4-0.5	27/01/26	S			G+P			✓										
	BH14/1.0-1.1	27/01/26	S			G													
	BH14/2.0-2.1	27/01/26	S			G+P				✓									
	BH04/0.0-0.1	27/01/26	S			G+P			✓										
	BH04/0.5-0.6	27/01/26	S			G													
	BH04/1.0-1.1	27/01/26	S			G													
	BH04/2.0-2.1	27/01/26	S			G+P		✓											
	BH16/0.0-0.1	23/01/26	S			G													
	BH16/0.5-0.6	23/01/26	S			G+P			✓										
	BH16/1.0-1.1	23/01/26	S			G													
	BH16/2.0-2.1	23/01/26	S			G+P				✓									
	BH19/0.0-0.1	23/01/26	S			G+P			✓										
	BH19/0.4-0.5	23/01/26	S			G													
	BH19/1.0-1.1	23/01/26	S			G+P													
	BH19/2.0-2.1	23/01/26	S			G													
	BH01/0.0-0.1	28/01/26	S			G			✓										
	BH01/0.0-0.1	28/01/26	S			G													

ALS Water

ALS Water and Hydrographics Pty Ltd ABN: 94 105 060 320
 Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
www.alsglobal.com

**Sample Receipt Advice (SRA)**

Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
---	---

Batch Summary: **ALS Water Batch No :** **26-11117**

Date Received : 30-Jan-2026
Scheduled Reporting Date : 06-Feb-2026

Client Job Ref : 239629-00 Brooklyn
No. of Sample(s) : 58

Program : Misc.
Purchase Order : ME222368

NATA report : Reqd.

Lab. Contact :

Tuyen Nguyen

Phone: 03 87568000

Tuyen.Nguyen@alsglobal.com

Please direct any enquiries you have regarding this project to the above ALS Water contact .

Delivery Details:

COC Received :

YES

Sample Temperature on Receipt.

5

C^o

Samples preserved where applicable #

Comments:

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 Only comparisons are made against pretreatment/preservation as per AS/NZS 6800:2015, APHA USEPA standards.

Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
---	---

Summary of Sample and Received Analysis:

ALS Sample	Sample Name	Date	Test Count
12158349	TP01/0.1-0.2	28/01/2026	7
12158350	TP01/1.0-1.1	28/01/2026	2
12158352	TP02/1.0-1.1	28/01/2026	2
12158355	TP14/0.1-0.2	28/01/2026	7
12158362	TP15/0.5-0.6	28/01/2026	2
12158363	TP08/0.1-0.2	28/01/2026	7
12158366	TP17/0.8-0.9	28/01/2026	2
12158369	TP09/0.1-0.2	28/01/2026	7
12158374	BH18/0.4-0.5	28/01/2026	20
12158376	BH18/2.0-2.1	28/01/2026	7
12158377	BH18/3.0-3.1	28/01/2026	2
12158383	BH14/0.4-0.5	27/01/2026	7
12158385	BH14/2.0-2.1	27/01/2026	2
12158386	BH04/0.0-0.1	27/01/2026	7
12158389	BH04/2.0-2.1	27/01/2026	20
12158391	BH16/0.5-0.6	23/01/2026	7
12158393	BH16/2.0-2.1	23/01/2026	2
12158394	BH19/0.0-0.1	23/01/2026	7
12158398	BH01/0.0-0.1	28/01/2026	7
12158405	BH01/7.2-7.3	28/01/2026	7

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CERTIFICATE OF ANALYSIS

Batch No:	26-12036		Page 1 of 4
<i>Final Report</i>	332267	<i>Laboratory</i>	Scoresby Laboratory
		<i>Address</i>	Caribbean Business Park,
<i>Client:</i>	Douglas Partners Pty Ltd	<i>Phone</i>	22 Dalmore Drive,
<i>Contact:</i>	Avi Poonyth	<i>Fax</i>	Scoresby,
<i>Address:</i>	231 Normanby Road		VIC 3179
	SOUTH MELBOURNE		03 8756 8000
	VIC 3205		03 9763 1862
	AUSTRALIA	<i>Contact:</i>	Tuyen Nguyen
<i>Client Program Ref:</i>	239629-00 Brooklyn		Client Manager
<i>ALS Program Ref:</i>	DOUGLAS	<i>Date Sampled:</i>	02-Feb-2026
		<i>Date Samples Received:</i>	04-Feb-2026
<i>PO No:</i>	Not Available	<i>Date Issued:</i>	07-Feb-2026

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

Analysis	Method	Laboratory	Analysis	Method	Laboratory	Analysis	Method	Laboratory
BTEXN	WP074	Scoresby	MS Total Metals	WG020B	Scoresby			
PAH	WP075B	Scoresby	TRH F2	# WP071	Scoresby			
TRH & TPH (>C10)	WP071	Scoresby	TRH (C6-C10) & F1	WP074 (F 1 not NATA)	Scoresby			

Measurement Uncertainties values for your compliance results are available at this link

[Signatories](#)

Name	Title	Name	Title
Alan Chung	Team Leader Metals	Kosta Christopoulos	Team Leader Organics

Results contained within this report relate only to the samples tested. The report shall not be reproduced, except in full.

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Batch No: 26-12036
 Report Number: 332267
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil Metals			Analysis:	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	
				AS mg/kg	CD mg/kg	CR mg/kg	CU mg/kg	PB mg/kg	HG mg/kg	MO mg/kg	NI mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type								
12173583	02-02-26	BH05/0.4-0.5	SOIL	12	<0.2	21	14	12	<0.05	<5	34
12173587	02-02-26	BH05/4.0-4.1	SOIL	<5	<0.2	78	15	9	<0.05	<5	45
12173591	02-02-26	BH07/0.4-0.5	SOIL	<5	<0.2	40	8	13	0.08	<5	15

Soil Metals			Analysis:	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
				SE mg/kg	AG mg/kg	SN mg/kg	ZN mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type				
12173583	02-02-26	BH05/0.4-0.5	SOIL	<3	<5	<5	43
12173587	02-02-26	BH05/4.0-4.1	SOIL	<3	<5	<5	27
12173591	02-02-26	BH07/0.4-0.5	SOIL	<3	<5	<5	11

Soil BTEXN			Analysis:	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN
				BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	XYLENE-MP mg/kg	XYLENE-O mg/kg	NAPHTHALENE mg/kg	TOTAL XYLENES mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12173583	02-02-26	BH05/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12173591	02-02-26	BH07/0.4-0.5	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1

Soil TRH/TPH (Volatile)			Analysis:	TRH (C6-C10) & F1	TRH (C6-C10) & F1	TRH (C6-C10) & F1
				TPH_C6-C9 mg/kg	TRH_C6-C10 mg/kg	TRH_C6-C10 minus BTEX mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type			
12173583	02-02-26	BH05/0.4-0.5	SOIL	<20	<20	<20
12173591	02-02-26	BH07/0.4-0.5	SOIL	<20	<20	<20

Samples not collected by ALS and are tested as received.

A blank space indicates no test performed. Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

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Batch No: 26-12036
 Report Number: 332267
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil TRH/TPH			Analysis:	TRH F2	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)
				TRH>C10-C16 minus NAP mg/kg	TPH C10-C14 mg/kg	TPH C15-C28 mg/kg	TPH C29-C36 mg/kg	Sum of TPH C10-C36 mg/kg	TRH>C10-C16 mg/kg	TRH>C16-C34 mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12173583	02-02-26	BH05/0.4-0.5	SOIL	<20	<20	<50	<50	<50	<20	<50
12173591	02-02-26	BH07/0.4-0.5	SOIL	<20	<20	<50	<50	<50	<20	<50

Soil TRH/TPH			Analysis:	TRH & TPH (>C10)
				Sum of TRH>C10-C4
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	
12173583	02-02-26	BH05/0.4-0.5	SOIL	<50
12173591	02-02-26	BH07/0.4-0.5	SOIL	<50

Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				ACENAPHTHENE mg/kg	ACENAPHTHYLENE mg/kg	ANTHRACENE mg/kg	BENZ(A)ANTHRACE NE mg/kg	BENZO(A)PYRENE mg/kg	BENZO(B)FLUORAN THENE mg/kg	BENZO(GHI)PERYLE NE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12173583	02-02-26	BH05/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12173591	02-02-26	BH07/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				CHRYSENE mg/kg	DIBENZ(AH)ANTHRA CENE mg/kg	FLUORANTHENE mg/kg	FLUORENE mg/kg	INDENO(123-CD)PY RENE mg/kg	NAPHTHALENE mg/kg	PHENANTHRENE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12173583	02-02-26	BH05/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12173591	02-02-26	BH07/0.4-0.5	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Samples not collected by ALS and are tested as received.

A blank space indicates no test performed. Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

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Batch No: 26-12036
 Report Number: 332267
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil PAH

Sample Sampled Date Your Ref

			Analysis:	PAH	PAH	PAH	PAH	PAH
			Component:	TOTAL PAHS	BAP_TEQ_(ZERO)	BAP_TEQ_(HALF_L	BAP_TEQ_(LOR)	p-Terphenyl-d14-SUR
			Units:	mg/kg	mg/kg	OR)	mg/kg	R
			Sample Type			mg/kg		%
12173583	02-02-26	BH05/0.4-0.5	SOIL	<0.1	<0.1	0.1	0.2	92
12173591	02-02-26	BH07/0.4-0.5	SOIL	<0.1	<0.1	0.1	0.2	84

Samples not collected by ALS and are tested as received.

A blank space indicates no test performed. Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

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QUALITY CONTROL REPORT

Program	: DOUGLAS	Page	: 1 of 13
Client	: DOUGLAS	Laboratory	: Scoresby Laboratory
Contact	:	Telephone	: 03 8756 8000
Project	: 26-12036	Date Samples Received	: 04-February-2026
Customer Ref	: 239629-00 Brooklyn	Issue Date	: 07-February-2026
Sampler	: AL	No. Samples Received	: 13
Order Number	:	No. Samples Analysed	: 3

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal and external review. Many components of this report contribute to the overall Quality assessment.

Brief method summaries and references are also provided to assist in traceability.

Brief Method Summaries

The analytical procedures used by the Water Business have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at client request. The following table provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
BTEXN	WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve.
MS Metals Rev Aq Reg	WG020B	SOIL	MS Metals Rev Aq Reg
PAHs in Soil	WP075B	SOIL	In house: Referenced to USEPA SW 846 - 8270E. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve.
TRH F2	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C16.
TRH & TPH >C10	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range > C10 - C40.
TRH & TPH C6-C10	WP074 (F1 not NATA)	SOIL	Total Recoverable Hydrocarbons (C6-C10) & F1
S-TS-FCALC		SOIL	FOR CALCULATION PURPOSES ONLY Total Solids for Soil

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Analysis Holding Time Compliance

Holding times may vary depending on test and preservation used. If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results. This report summarizes extraction / preparation and analysis times and compares each with ALS Water recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns.

Method		Extraction / Preparation			Analysis		
Sample Number							
WP074 :BTEXN	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12173583	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	16-Feb-2026	04-Feb-2026	✓
12173591	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	16-Feb-2026	04-Feb-2026	✓
WG020B :MS Metals Rev Aq Reg	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12173583	02-Feb-2026	9-Aug-2026	6-Feb-2026	✓	09-Aug-2026	06-Feb-2026	✓
12173591	02-Feb-2026	9-Aug-2026	6-Feb-2026	✓	09-Aug-2026	06-Feb-2026	✓
12173587	02-Feb-2026	9-Aug-2026	6-Feb-2026	✓	09-Aug-2026	06-Feb-2026	✓
WP075B :PAHs in Soil	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12173583	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	29-Mar-2026	04-Feb-2026	✓
12173591	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	29-Mar-2026	04-Feb-2026	✓
WP071 :TRH F2	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12173583	02-Feb-2026	2-Feb-2026		N/A	02-Feb-2026		N/A
12173591	02-Feb-2026	2-Feb-2026		N/A	02-Feb-2026		N/A
WP071 :TRH & TPH >C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12173583	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	29-Mar-2026	04-Feb-2026	✓
12173591	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	29-Mar-2026	04-Feb-2026	✓
WP074 (F1 not NATA) :TRH & TPH C6-C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12173583	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	16-Feb-2026	04-Feb-2026	✓
12173591	02-Feb-2026	16-Feb-2026	4-Feb-2026	✓	16-Feb-2026	04-Feb-2026	✓

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QUALITY CONTROL - BLANKS

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination.

Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value
12184719	QC - Blank	BTEXN: BENZENE	<0.5	mg/kg	<0.5
		BTEXN: BTEX (Sum)	<1	mg/kg	<1
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1
		BTEXN: XYLENE-MP	<1	mg/kg	<1
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5
12184745	QC - Blank	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20
12184936	QC - Blank	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50
12185559	QC - Blank	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1

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QUALITY CONTROL - BLANKS

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination.

					Sample Value
12185559	QC - Blank	PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.1
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.2
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: p-Terphenyl-d14-SURR		%	100
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1
		12191908	QC - Blank	MS Metals Rev Aq Reg: AG	<5
MS Metals Rev Aq Reg: AS	<5			mg/kg	<5

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QUALITY CONTROL - BLANKS

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination.

					Sample Value
12191908	QC - Blank	MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2
		MS Metals Rev Aq Reg: CR	<5	mg/kg	<5
		MS Metals Rev Aq Reg: CU	<5	mg/kg	<5
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5
		MS Metals Rev Aq Reg: NI	<5	mg/kg	<5
		MS Metals Rev Aq Reg: PB	<5	mg/kg	<5
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	<5

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QUALITY CONTROL - DUPLICATES

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Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Duplicate Value	% RPD
12184714	12168457	BTEXN: BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: BTEX (Sum)	<1	mg/kg	<1	<1	0
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-MP	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	<0.5	0
12184743	12169886	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20	<20	0
12184929	12174459	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	85	80	6.1
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	82	78	5.0
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	85	80	6.9
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	82	78	5.5
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50	<50	0
12185555	12168090	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.3	<0.3	0

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QUALITY CONTROL - DUPLICATES

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					Sample Value	Duplicate Value	% RPD
12185555	12168090	PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.4	0.4	0.0
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.7	0.7	0.0
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.3	<0.1	0
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.3	0.3	NA
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.3	0.3	NA
		PAHs in Soil: p-Terphenyl-d14-SURR		%	84	88	4.7
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.3	<0.3	0
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.3	0.6	NA
12191904	12169231	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: AS	<5	mg/kg	58	44	27.0

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QUALITY CONTROL - DUPLICATES

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

					Sample Value	Duplicate Value	% RPD
12191904	12169231	MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	<0.2	0
		MS Metals Rev Aq Reg: CR	<5	mg/kg	20	15	25.3
		MS Metals Rev Aq Reg: CU	<5	mg/kg	13	12	0.8
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	0.14	0.13	8.2
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: NI	<5	mg/kg	31	28	7.0
		MS Metals Rev Aq Reg: PB	<5	mg/kg	8	6	26.9
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3	<3	0
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	20	19	4.7

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QUALITY CONTROL - SPIKES

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Expected Value	% Recovery
12184715	12168465	BTEXN: BENZENE	<0.5	mg/kg	<0.5	4.2	87.0
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	4.2	72.4
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	4.2	91.1
		BTEXN: XYLENE-MP	<1	mg/kg	<1	8.4	82.9
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	4.2	90.2
12184744	12169888	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	100	92.5
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	100	90.4
12184935	12169887	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	170	920	90.5
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	170	1000	83.1
12185554	12168465	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	1.3	83.2
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	1.3	91.0
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	1.3	92.4
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	91.0
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	1.3	90.2
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	90.0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	1.3	81.6
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	93.6
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	1.3	89.2
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	1.3	76.6
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	1.3	91.0
PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	1.3	85.8		

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QUALITY CONTROL - SPIKES

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

					Sample Value	Expected Value	% Recovery
12185554	12168465	PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	1.3	80.8
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	1.3	89.8
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	1.3	91.4
		PAHs in Soil: p-Terphenyl-d14-SURR		%	92	88	100
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	1.3	90.0
12191902	12168459	MS Metals Rev Aq Reg: AS	<5	mg/kg	16	110	81.4
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	100	84.1
		MS Metals Rev Aq Reg: CR	<5	mg/kg	24	120	84.4
		MS Metals Rev Aq Reg: CU	<5	mg/kg	<5	100	81.5
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05	1.0	104
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5	100	91.0
		MS Metals Rev Aq Reg: NI	<5	mg/kg	10	110	95.5
		MS Metals Rev Aq Reg: PB	<5	mg/kg	8	110	115
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3	100	76.9
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	100	82.2
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	6	110	78.7

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Measurement of Uncertainty.

When any measurement is made there are a number of factors that affect how accurate the result is. Every step undertaken in the analysis of a sample is subject to some (small) level of error. Estimates of measurement uncertainty provide information about the relative size of the error. As such, MU is an important aspect of any result. Refer to Enviromail™ 53 - What is Measurement Uncertainty for more information.

Analysis	Method Code	Component	Location
MS Metals Rev Aq Reg	WG020B	AG	MEL 19%
		AS	20%
		CD	10%
		CR	18%
		CU	16%
		HG	23%
		MO	13%
		NI	16%
		PB	12%
		SE	21%
		SN	11%
		ZN	22%

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Analysis	Method Code	Component	Location
			MEL
BTEXN	WP074	BENZENE	22%
		ETHYL BENZENE	17%
		NAPHTHALENE	24%
		TOLUENE	15%
		XYLENE-MP	16%
		XYLENE-O	17%
PAHs in Soil	WP075B	ACENAPHTHENE	18%
		ACENAPHTHYLENE	17%
		ANTHRACENE	18%
		BENZ(A)ANTHRACENE	27%
		BENZO(A)PYRENE	21%
		BENZO(B)FLUORANTHENE	25%
		BENZO(GHI)PERYLENE	31%
		BENZO(K)FLUORANTHENE	22%
		CHRYSENE	21%
		DIBENZ(AH)ANTHRACENE	27%
		FLUORANTHENE	26%
		FLUORENE	15%
		INDENO(123-CD)PYRENE	23%
		NAPHTHALENE	15%
PHENANTHRENE	19%		

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			MEL
PAHs in Soil	WP075B	PYRENE	27%
TRH & TPH >C10	WP071	TPH C15-C28	26%
		TRH>C16-C34	27%
TRH & TPH C6-C10	WP074 (F1 not NATA)	TPH_C6-C9	23%
		TRH_C6-C10	21%
		TRH_C6-C10 minus BTEX	21%

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GROUND
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EXPERTISE


CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00	Suburb: Brooklyn	To: ALS Water Resources Group
Project Manager: Avi Poonyth	Order Number: ME222370	Sampler: AL
Email: laboratory+68ff061edd8b9@datanest.earth, mitchell.dixon@douglaspartners.com.au		Attn: Tuyen Nguyen
Turnaround time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day		(03) 8756 8116 tuyen.nguyen@alsglobal.com

Prior Storage: Fridge Freezer Esky Shelf **Do samples contain 'potential' HBM?** No Yes YES, then handle, transport and store in accordance with FPM HAZID)

Lab ID	Sample ID <small>Location / Other ID</small>	Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements			
			S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals											
	BH05/0.0-0.1	2/02/26	S	G														
	BH05/0.4-0.5	2/02/26	S	G+P			✓											
	BH05/1.0-1.1	2/02/26	S	G+P														
	BH05/2.0-2.1	2/02/26	S	G														
	BH05/3.0-3.1	2/02/26	S	G														
	BH05/4.0-4.1	2/02/26	S	G				✓										
	BH05/5.0-5.1	2/02/26	S	G														
	BH05/6.0-6.1	2/02/26	S	G														
	BH07/0.0-0.1	2/02/26	S	G														
	BH07/0.4-0.5	2/02/26	S	G+P			✓											
	BH07/1.0-1.1	2/02/26	S	G+P														
	BH07/2.0-2.1	2/02/26	S	G														
	BH07/3.0-3.1	2/02/26	S	G														


 26-12036
Customer Reference:
 239629.00 Brooklyn
Due Date: 11/02/2026
 TAT: 5

Metals to analyse: As in A-S7-R suite		LAB RECEIPT	
Number of samples in container: 13	Transported to laboratory by: ALS Courier	Lab Ref. No:	
Send results to: Douglas Partners Pty Ltd		Received by: Madhai Kodin	
Address: 231 The Arcade, South Melbourne VIC 3207	Phone: (03) 9673 3500	Date & Time: 06/02/26	
Relinquished by: MJD	Date: 3/02/2026	Signed: 	

ALS Water

ALS Water and Hydrographics Pty Ltd ABN: 94 105 060 320
 Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
www.alsglobal.com



Sample Receipt Advice (SRA)

Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
---	---

Batch Summary: **ALS Water Batch No :** **26-12036**

Date Received : 04-Feb-2026
Scheduled Reporting Date : 11-Feb-2026

Client Job Ref : 239629-00 Brooklyn
No. of Sample(s) : 13

Program : Misc.
Purchase Order : ME222370

NATA report : Reqd.

Lab. Contact :

Tuyen Nguyen
Phone: 03 87568000
Tuyen.Nguyen@alsglobal.com

Please direct any enquiries you have regarding this project to the above ALS Water contact .

Delivery Details:

COC Received :

Sample Temperature on Receipt. C^o
 Samples preserved where applicable #

Comments:

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Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
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Summary of Sample and Received Analysis:

ALS Sample	Sample Name	Date	Test Count
12173583	BH05/0.4-0.5	02/02/2026	7
12173587	BH05/4.0-4.1	02/02/2026	2
12173591	BH07/0.4-0.5	02/02/2026	7

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Only comparisons are made against pretreatment/preservation as per AS/NZS 4363:2013, APHA USEPA standards.



CERTIFICATE OF ANALYSIS

Batch No: 26-13313

Final Report 334280

Client: Douglas Partners Pty Ltd

Contact: Avi Poonyth

Address: 231 Normanby Road
SOUTH MELBOURNE
VIC 3205
AUSTRALIA

Client Program Ref: 239629-00 Brooklyn

ALS Program Ref: DOUGLAS

PO No: ME222385

Laboratory

Address

Phone

Fax

Contact:

Date Sampled:

Date Samples Received:

Date Issued:

Page 1 of 11

Scoresby Laboratory
Caribbean Business Park,
22 Dalmore Drive,
Scoresby,
VIC 3179
03 8756 8000
03 9763 1862

Tuyen Nguyen
Client Manager
Tuyen.Nguyen@alsglobal.com

03-Feb-2026 - 05-Feb-2026

09-Feb-2026

17-Feb-2026

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>	<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>	<i>Analysis</i>	<i>Method</i>	<i>Laboratory</i>
BTEXN	WP074	Scoresby	CHC	WP084	Scoresby			
Cyanide	WK026SF	Scoresby	PFAS	EP231X	Scoresby			
Total Fluoride	QWI-EN. WK040T	Scoresby	HVOL	WP074	Scoresby			
MAH	WP125 & WP074	Scoresby	MS Total Metals	WG020B	Scoresby			
OCP	WP068A	Scoresby	PAH	WP075B	Scoresby			
PCB	WP066	Scoresby	pH	EA002	Scoresby			
Phenols(Halo)	WP075A	Scoresby	Phenols(NonHalo)	WP075A	Scoresby			
CHC Sum	WP084	Scoresby	Total Cr 6+ DA	EG048G	Scoresby			
TRH F2	# WP071	Scoresby	TRH & TPH (>C10)	WP071	Scoresby			
TRH (C6-C10) & F1	WP074 (F 1 not NATA)	Scoresby						

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Measurement Uncertainties values for your compliance results are available at this link

Signatories

<i>Name</i>	<i>Title</i>	<i>Name</i>	<i>Title</i>
Alan Chung	Team Leader Metals	Amanda Harcourt	Chemist
Chatura Perera	Team Leader Nutrients	Jessica Kelly	Chemist / Analyst
Kosta Christopoulos	Team Leader Organics	Mathew Fordham	Senior Chemist
Tuyen Nguyen	Client Manager		

Results contained within this report relate only to the samples tested. The report shall not be reproduced, except in full.

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 Batch No: 26-13313
 Report Number: 334280
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil Analysis

Sample	Sampled Date	Your Ref	Analysis:	Total Fluoride	pH	Cyanide	Total Cr 6+ DA
				FLUORIDE_SED mg/kg	PH_SED Units	CYANIDE mg/kg	TOTAL CHROMIUM 6 +
12196355	05-02-26	BH02/0.5-0.6	SOIL	290	9.2	<5	<1

Soil Metals

Sample	Sampled Date	Your Ref	Analysis:	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	
				AS mg/kg	CD mg/kg	CR mg/kg	CU mg/kg	PB mg/kg	HG mg/kg	MO mg/kg	NI mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<5	<0.2		16	12	0.06	<5	30
12196356	05-02-26	BH02/1.0-1.1	SOIL	<5	<0.2	50	17	12	<0.05	<5	26
12196359	05-02-26	BH02/4.0-4.1	SOIL	<5	<0.2	56	8	8	<0.05	<5	24
12196364	03-02-26	BH10/0.5-0.6	SOIL	<5	<0.2	32	23	13	<0.05	<5	48
12196367	03-02-26	BH10/3.0-3.1	SOIL	<5	<0.2	79	7	6	<0.05	<5	18
12196368	04-02-26	BH11/0.0-0.1	SOIL	<5	<0.2	18	15	22	<0.05	<5	40
12196371	04-02-26	BH11/2.0-2.1	SOIL	<5	<0.2	42	6	14	<0.05	<5	28
12196373	04-02-26	BH11/4.0-4.1	SOIL	<5	<0.2	32	<5	9	<0.05	<5	13
12196377	05-02-26	BH13/0.0-0.1	SOIL	<5	1.0	19	18	28	0.08	<5	30
12196380	05-02-26	BH13/2.0-2.1	SOIL	<5	<0.2	33	<5	10	<0.05	<5	18
12196382	03-02-26	BH15/0.5-0.6	SOIL	<5	<0.2	33	19	16	0.10	<5	47
12196385	03-02-26	BH15/3.0-3.1	SOIL	<5	<0.2	53	11	9	<0.05	<5	22

Samples not collected by ALS and are tested as received.

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 Batch No: 26-13313
 Report Number: 334280
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

Soil Metals			Analysis:	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
				SE mg/kg	AG mg/kg	SN mg/kg	ZN mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type				
12196355	05-02-26	BH02/0.5-0.6	SOIL	<3	<5	<5	16
12196356	05-02-26	BH02/1.0-1.1	SOIL	<3	<5	<5	19
12196359	05-02-26	BH02/4.0-4.1	SOIL	<3	<5	<5	15
12196364	03-02-26	BH10/0.5-0.6	SOIL	<3	<5	<5	93
12196367	03-02-26	BH10/3.0-3.1	SOIL	<3	<5	<5	19
12196368	04-02-26	BH11/0.0-0.1	SOIL	<3	<5	<5	47
12196371	04-02-26	BH11/2.0-2.1	SOIL	<3	<5	<5	24
12196373	04-02-26	BH11/4.0-4.1	SOIL	<3	<5	<5	13
12196377	05-02-26	BH13/0.0-0.1	SOIL	<3	<5	<5	54
12196380	05-02-26	BH13/2.0-2.1	SOIL	<3	<5	<5	11
12196382	03-02-26	BH15/0.5-0.6	SOIL	<3	<5	<5	65
12196385	03-02-26	BH15/3.0-3.1	SOIL	<3	<5	<5	19

Soil MAH			Analysis:	MAH	MAH	MAH	MAH	MAH	MAH
				BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	XYLENES mg/kg	STYRENE mg/kg	CUMENE/ISOPROPY L BENZENE/EMB mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type						
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil BTEXN			Analysis:	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN	BTEXN
				BENZENE mg/kg	TOLUENE mg/kg	ETHYL BENZENE mg/kg	XYLENE-MP mg/kg	XYLENE-O mg/kg	NAPHTHALENE mg/kg	TOTAL XYLENES mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12196356	05-02-26	BH02/1.0-1.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12196364	03-02-26	BH10/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12196368	04-02-26	BH11/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12196371	04-02-26	BH11/2.0-2.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12196377	05-02-26	BH13/0.0-0.1	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1
12196382	03-02-26	BH15/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1

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 Report Number: 334280
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



			Analysis:	TRH (C6-C10) & F1	TRH (C6-C10) & F1	TRH (C6-C10) & F1
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	TPH_C6-C9 mg/kg	TRH_C6-C10 mg/kg	TRH_C6-C10 minus BTEX mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<20	<20	<20
12196356	05-02-26	BH02/1.0-1.1	SOIL	<20	<20	<20
12196364	03-02-26	BH10/0.5-0.6	SOIL	<20	<20	<20
12196368	04-02-26	BH11/0.0-0.1	SOIL	<20	<20	<20
12196371	04-02-26	BH11/2.0-2.1	SOIL	<20	<20	<20
12196377	05-02-26	BH13/0.0-0.1	SOIL	<20	<20	<20
12196382	03-02-26	BH15/0.5-0.6	SOIL	<20	<20	<20

			Analysis:	TRH F2	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)	TRH & TPH (>C10)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	TRH>C10-C16 minus NAP mg/kg	TPH C10-C14 mg/kg	TPH C15-C28 mg/kg	TPH C29-C36 mg/kg	Sum of TPH C10-C36 mg/kg	TRH>C10-C16 mg/kg	TRH>C16-C34 mg/kg	TRH>C34-C40 mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12196356	05-02-26	BH02/1.0-1.1	SOIL	<20	<20	<50	53	53	<20	<50	<50
12196364	03-02-26	BH10/0.5-0.6	SOIL	<20	<20	<50	<50	<50	<20	<50	<50
12196368	04-02-26	BH11/0.0-0.1	SOIL	<20	<20	53	92	140	<20	120	84
12196371	04-02-26	BH11/2.0-2.1	SOIL	<20	<20	<50	<50	<50	<20	74	<50
12196377	05-02-26	BH13/0.0-0.1	SOIL	<20	<20	88	140	230	<20	190	120
12196382	03-02-26	BH15/0.5-0.6	SOIL	<20	<20	<50	<50	<50	<20	<50	<50

			Analysis:	TRH & TPH (>C10)
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	Sum of TRH>C10-C4 0 mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<50
12196356	05-02-26	BH02/1.0-1.1	SOIL	<50
12196364	03-02-26	BH10/0.5-0.6	SOIL	<50
12196368	04-02-26	BH11/0.0-0.1	SOIL	200
12196371	04-02-26	BH11/2.0-2.1	SOIL	74
12196377	05-02-26	BH13/0.0-0.1	SOIL	310
12196382	03-02-26	BH15/0.5-0.6	SOIL	<50

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Batch No: 26-13313
 Report Number: 334280
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	ACENAPHTHENE mg/kg	ACENAPHTHYLENE mg/kg	ANTHRACENE mg/kg	BENZ(A)ANTHRACE NE mg/kg	BENZO(A)PYRENE mg/kg	BENZO(B)FLUORAN THENE mg/kg	BENZO(GHI)PERYLE NE mg/kg	BENZO(K)FLUORAN THENE mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12196356	05-02-26	BH02/1.0-1.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12196364	03-02-26	BH10/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12196368	04-02-26	BH11/0.0-0.1	SOIL	<0.1	<0.1	0.2	0.4	0.5	0.3	0.3	0.4
12196371	04-02-26	BH11/2.0-2.1	SOIL	<0.1	<0.1	0.1	0.9	0.9	1.0	0.6	0.7
12196377	05-02-26	BH13/0.0-0.1	SOIL	<0.3	<0.3	<0.3	0.7	0.8	0.6	0.5	0.7
12196382	03-02-26	BH15/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	CHRYSENE mg/kg	DIBENZ(AH)ANTHRA CENE mg/kg	FLUORANTHENE mg/kg	FLUORENE mg/kg	INDENO(123-CD)PY RENE mg/kg	NAPHTHALENE mg/kg	PHENANTHRENE mg/kg	PYRENE mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12196356	05-02-26	BH02/1.0-1.1	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12196364	03-02-26	BH10/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12196368	04-02-26	BH11/0.0-0.1	SOIL	0.4	<0.1	0.9	<0.1	0.3	<0.1	0.6	0.9
12196371	04-02-26	BH11/2.0-2.1	SOIL	0.9	0.1	1.9	<0.1	0.7	<0.1	0.4	1.8
12196377	05-02-26	BH13/0.0-0.1	SOIL	0.7	<0.3	1.5	<0.3	0.5	<0.3	0.8	1.5
12196382	03-02-26	BH15/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PAH			Analysis:	PAH	PAH	PAH	PAH	PAH
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	TOTAL PAHS mg/kg	BAP_TEQ_(ZERO) mg/kg	BAP_TEQ_(HALF_L OR) mg/kg	BAP_TEQ_(LOR) mg/kg	p-Terphenyl-d14-SUR R %
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.1	<0.1	0.1	0.2	94
12196356	05-02-26	BH02/1.0-1.1	SOIL	<0.1	<0.1	0.1	0.2	92
12196364	03-02-26	BH10/0.5-0.6	SOIL	<0.1	<0.1	0.1	0.2	94
12196368	04-02-26	BH11/0.0-0.1	SOIL	5.2	0.6	0.7	0.7	84
12196371	04-02-26	BH11/2.0-2.1	SOIL	10	1.3	1.3	1.3	96
12196377	05-02-26	BH13/0.0-0.1	SOIL	8.3	1.1	1.2	1.4	90
12196382	03-02-26	BH15/0.5-0.6	SOIL	<0.1	<0.1	0.1	0.2	80

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Batch No: 26-13313
 Report Number: 334280
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	A-BHC mg/kg	A-ENDOSULPHAN mg/kg	ALDRIN mg/kg	B-BHC mg/kg	B-ENDOSULPHAN mg/kg	CHLORDANE mg/kg	C-CHLORDANE mg/kg	TRANS-CHLORDAN E mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP	
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	D-BHC mg/kg	DDD mg/kg	DDE mg/kg	DDT mg/kg	DIELDRIN mg/kg	ENDOSULPHAN mg/kg	ENDOSULFAN SULPHATE mg/kg	ENDRIN mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	ENDRIN ALDEHYDE mg/kg	ENDRIN KETONE mg/kg	HEXACHLOROBENZ ENE mg/kg	HEPTACHLOREPOXI DE mg/kg	HEPTACHLOR mg/kg	LINDANE mg/kg	METHOXYCHLOR mg/kg	OXYCHLORDANE mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides			Analysis:	OCP	OCP	OCP
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	DDD & DDE & DDT mg/kg	ALDRIN & DIELDRIN mg/kg	2456-tetrachloro-m-xylyl ene-SURR %
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.05	<0.05	96

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Batch No: 26-13313
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 Client: Douglas Partners Pty Ltd
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Soil PCBs			Analysis:	PCB	PCB	PCB	PCB	PCB	PCB	PCB	
				AROCLOR 1016 mg/kg	AROCLOR 1221 mg/kg	AROCLOR 1232 mg/kg	AROCLOR 1242 mg/kg	AROCLOR 1248 mg/kg	AROCLOR 1254 mg/kg	AROCLOR 1260 mg/kg	TOTAL PCBs mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type								
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PCBs			Analysis:	PCB
				2-fluorobiphenyl-SUR R %
Sample	Sampled Date	Your Ref	Component: Units: Sample Type	
12196355	05-02-26	BH02/0.5-0.6	SOIL	112

Soil CHCs			Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC
				1234TETRACHLORO BENZENE mg/kg	1235TETRACHLOROB ENZENE mg/kg	123TRICHLOROBEN ZENE mg/kg	1245TETRACHLORO BENZENE mg/kg	124TRICHLOROBEN ZENE mg/kg	12-DICHLOROBENZ ENE mg/kg	135TRICHLOROBEN ZENE mg/kg	13-DICHLOROBENZ ENE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type								
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil CHCs			Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC
				14-DICHLOROBENZ ENE mg/kg	2 CHLORONAPHTHAL ENE	BENZAL CHLORIDE mg/kg	BENZOTRICHLORID E mg/kg	BENZYLCHLORIDE mg/kg	HEXACHLOROETHA NE mg/kg	HEXACHLOROBUTA DIENE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type							
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Samples not collected by ALS and are tested as received.

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 Batch No: 26-13313
 Report Number: 334280
 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn

			Analysis:	CHC	CHC Sum
Sample	Sampled Date	Your Ref	Component:	PENTACHLOROBEN	CHC SUM
			Units:	ZENE	mg/kg
			Sample Type	mg/kg	
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.1	<1

			Analysis:	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)
Sample	Sampled Date	Your Ref	Component:	4-CHLORO-3-METHY	2-CHLOROPHENOL	24-DICHLOROPHEN	26-DICHLOROPHEN	PENTACHLOROPHE	2345	2346	2356
			Units:	LPHENOL	mg/kg	OL	OL	NOL	TETRACHLOROPHE	TETRACHLOROPHE	TETRACHLOROPHE
			Sample Type	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	NOL	NOL	NOL
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

			Analysis:	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)
Sample	Sampled Date	Your Ref	Component:	245-TRICHLOROPH	246-TRICHLOROPH	TOTAL PHENOLS (H
			Units:	ENOL	ENOL	A LOGENATED)
			Sample Type	mg/kg	mg/kg	mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.5	<0.5	<0.5

			Analysis:	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)
Sample	Sampled Date	Your Ref	Component:	PHENOL	TOTAL CRESOLS	24-DIMETHYL	24-DINITROPHENOL	2-METHYL-46-DINIT	2-NITROPHENOL	4-NITROPHENOL	2-CYCLOHEXYL-46-
			Units:	mg/kg	mg/kg	PHENOL	mg/kg	ROPHENOL	mg/kg	mg/kg	DINITROPHENOL
			Sample Type	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30

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 Client: Douglas Partners Pty Ltd
 Client Program Ref: 239629-00 Brooklyn



Phenols (Non Halogenated)

Sample	Sampled Date	Your Ref	Analysis:	Phenols(NonHalo)	Phenols(NonHalo)
				DINOSEB mg/kg	TOTAL PHENOLS (N ON HALOGENATED) mg/kg
12196355	05-02-26	BH02/0.5-0.6	Component: Units: Sample Type	SOIL	<10 <30

Soil Halo. Volatiles

Sample	Sampled Date	Your Ref	Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				1112TCAN mg/kg	1122TCAN mg/kg	11DCANE mg/kg	11DCENE mg/kg	11DCPENE mg/kg	123TCPAN mg/kg	12DB3CLP mg/kg
12196355	05-02-26	BH02/0.5-0.6	Component: Units: Sample Type	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

Sample	Sampled Date	Your Ref	Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				12DCENET mg/kg	12DCLANE mg/kg	12DCLPANE mg/kg	13DCLPANE mg/kg	13DCLPRC mg/kg	13DCLPRT mg/kg	22DCPANE mg/kg
12196355	05-02-26	BH02/0.5-0.6	Component: Units: Sample Type	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

Sample	Sampled Date	Your Ref	Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
				4CLTOL mg/kg	BCLMANE mg/kg	BDCMANE mg/kg	BRBENZ mg/kg	BROMOFOR mg/kg	CARTET mg/kg	CHCL3 mg/kg
12196355	05-02-26	BH02/0.5-0.6	Component: Units: Sample Type	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Samples not collected by ALS and are tested as received.

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Batch No: 26-13313
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 Client Program Ref: 239629-00 Brooklyn



Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	
				DBCLMANE mg/kg	DBMANE mg/kg	12DBRANE mg/kg	DCM mg/kg	TCLFMANE mg/kg	TETCENE mg/kg	VCL mg/kg	111TCANE mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type								
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.5	<0.5	<0.5	<1	<2	<0.5	<1	<0.5

Soil Halo. Volatiles			Analysis:	HVOL	HVOL	HVOL	HVOL
				112TCANE mg/kg	TRICENE mg/kg	Toluene-d8-SURR %	14-Dichloroethane-d4-SURR %
Sample	Sampled Date	Your Ref	Component: Units: Sample Type				
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.5	<0.5	141.2	117.15

PFAS			Analysis:	PFAS	PFAS	PFAS
				PERFLUOROHEXAN E SULFONIC ACID (P FHxS)	PERFLUOROCTAN E SULFONIC ACID (P FOS)	PERFLUOROCTAN OIC ACID (PFOA) mg/kg
Sample	Sampled Date	Your Ref	Component: Units: Sample Type			
12196355	05-02-26	BH02/0.5-0.6	SOIL	<0.0002	<0.0002	<0.0002

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QUALITY CONTROL REPORT

Program	: DOUGLAS	Page	: 1 of 34
Client	: DOUGLAS	Laboratory	: Scoresby Laboratory
Contact	:	Telephone	: 03 8756 8000
Project	: 26-13313	Date Samples Received	: 09-February-2026
Customer Ref	: 239629-00 Brooklyn	Issue Date	: 17-February-2026
Sampler	: AL	No. Samples Received	: 40
Order Number	: ME222385	No. Samples Analysed	: 12

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal and external review. Many components of this report contribute to the overall Quality assessment.

Brief method summaries and references are also provided to assist in traceability.

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Brief Method Summaries

The analytical procedures used by the Water Business have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at client request. The following table provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
BTEXN	WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve.
CHCS	WP084	SOIL	In-house: Referenced to US EPA, method 8270, 8121, 3510, 3540. Water samples are extracted with dichloromethane. Soil sediment and slurry samples are extracted with a dichloromethane: acetone mixture. Extracts are then analysed on a GCMS.
S-CN	WK026SF	SOIL	In-house: Referenced to APHA 4500-CN C / ASTM D7511. Caustic leachates of soil samples are determined on an automated segmented flow analyser.
PFOS/PFOA	EP231X	SOIL	In-house: Analysis of soils for PFAS by solvent extraction followed by LC-Electrospray-MS-MS using MRM. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.
FLUORIDE SED TOT	QWI-EN.WK 040T	SOIL	In-house: This method describes the determination of fluoride in soils and sediments.
HVOLs	WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve.
MAHs	WP125 & WP074	SOIL	In-house: Referenced to USEPA SW 846 - 8260D Leachate samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve.
MS Metals Rev Aq Reg	WG020B	SOIL	MS Metals Rev Aq Reg
OCP_SOIL	WP068A	SOIL	In-house: Referenced to US EPA, Method 8270E, 8081, 3510, 3540. This document describes the methods used for the extraction of organochlorine pesticides (OCP) from samples & their subsequent determination and quantitation by GC-MS.
PAHs in Soil	WP075B	SOIL	In house: Referenced to USEPA SW 846 - 8270E. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve.
PCBs in sediments	WP066	SOIL	Polychlorinated biphenyl
PH UNITS SEDIMENT	EA002	SOIL	In-house: APHA 4500H+. pH measurement is the determination of the activity of hydrogen ions by potentiometric measurement using electrodes. This method details the determination of pH value of soil, using a 1:5 soil / water leach procedure.
Phenols (Hal)	WP075A	SOIL	In-house: Referenced to USEPA SW 846 - 8270E This method is designed to determine the concentration of individual phenols in soil, sludge, sediment, water, TCLP, and ASLP samples by GCMS.
Phenols (Non Hal)	WP075A	SOIL	In-house: Referenced to USEPA SW 846 - 8270E This method is designed to determine the concentration of individual phenols in soil, sludge, sediment, water, TCLP, and ASLP samples. .
CHC Sum	WP084	SOIL	In-house: Referenced to US EPA, method 8270, 8121, 3510, 3540. Water samples are extracted with dichloromethane. Soil sediment and slurry samples are extracted with a dichloromethane: acetone mixture. Extracts are then analysed on a GCMS.
Chromium 6+ DA	EG048G	SOIL	In-house: Referenced to USEPA SW846, Method 3060A. Hexavalent chromium is extracted by alkaline digestion. The digest is determined by photometrically by automatic discrete analyser, following pH adjustment.
TRH F2	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C16.

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TRH & TPH >C10	WP071	SOIL	In-house: Referenced to USEPA SW 846 - 8015A Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range > C10 - C40.
TRH & TPH C6-C10	WP074 (F1 not NATA)	SOIL	Total Recoverable Hydrocarbons (C6-C10) & F1
S-TS-FCALC		SOIL	FOR CALCULATION PURPOSES ONLY Total Solids for Soil

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Analysis Holding Time Compliance

Holding times may vary depending on test and preservation used. If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results. This report summarizes extraction / preparation and analysis times and compares each with ALS Water recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns.

Method	Extraction / Preparation				Analysis		
Sample Number	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
WP074 :BTEXN							
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
12196356	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
12196364	03-Feb-2026	17-Feb-2026	10-Feb-2026	✓	17-Feb-2026	10-Feb-2026	✓
12196368	04-Feb-2026	18-Feb-2026	10-Feb-2026	✓	18-Feb-2026	10-Feb-2026	✓
12196371	04-Feb-2026	18-Feb-2026	10-Feb-2026	✓	18-Feb-2026	10-Feb-2026	✓
12196377	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
12196382	03-Feb-2026	17-Feb-2026	10-Feb-2026	✓	17-Feb-2026	10-Feb-2026	✓
WP084 :CHCS							
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
WK026SF :S-CN							
12196355	05-Feb-2026	19-Feb-2026	11-Feb-2026	✓	19-Feb-2026	11-Feb-2026	✓
EP231X :PFOS/PFOA							
12196355	05-Feb-2026	12-Aug-2026	12-Feb-2026	✓	12-Aug-2026	12-Feb-2026	✓
QWI-EN.WK040T :FLUORIDE SED TOT							
12196355	05-Feb-2026	5-Mar-2026	12-Feb-2026	✓	07-Apr-2026	12-Feb-2026	✓
WP074 :HVOLs							
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
WP125 & WP074 :MAHs							
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
WG020B :MS Metals Rev Aq Reg							
12196355	05-Feb-2026	12-Aug-2026	13-Feb-2026	✓	12-Aug-2026	13-Feb-2026	✓
12196356	05-Feb-2026	12-Aug-2026	13-Feb-2026	✓	12-Aug-2026	13-Feb-2026	✓
12196364	03-Feb-2026	10-Aug-2026	13-Feb-2026	✓	10-Aug-2026	13-Feb-2026	✓
12196368	04-Feb-2026	11-Aug-2026	13-Feb-2026	✓	11-Aug-2026	13-Feb-2026	✓
12196371	04-Feb-2026	11-Aug-2026	13-Feb-2026	✓	11-Aug-2026	13-Feb-2026	✓
12196377	05-Feb-2026	12-Aug-2026	13-Feb-2026	✓	12-Aug-2026	13-Feb-2026	✓
12196382	03-Feb-2026	10-Aug-2026	13-Feb-2026	✓	10-Aug-2026	13-Feb-2026	✓
12196359	05-Feb-2026	12-Aug-2026	13-Feb-2026	✓	12-Aug-2026	13-Feb-2026	✓
12196367	03-Feb-2026	10-Aug-2026	13-Feb-2026	✓	10-Aug-2026	13-Feb-2026	✓
12196373	04-Feb-2026	11-Aug-2026	13-Feb-2026	✓	11-Aug-2026	13-Feb-2026	✓
12196380	05-Feb-2026	12-Aug-2026	13-Feb-2026	✓	12-Aug-2026	13-Feb-2026	✓
12196385	03-Feb-2026	10-Aug-2026	13-Feb-2026	✓	10-Aug-2026	13-Feb-2026	✓

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WP068A :OCP_SOIL	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
WP075B :PAHs in Soil	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
12196356	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
12196364	03-Feb-2026	17-Feb-2026	10-Feb-2026	✓	30-Mar-2026	10-Feb-2026	✓
12196368	04-Feb-2026	18-Feb-2026	10-Feb-2026	✓	31-Mar-2026	10-Feb-2026	✓
12196371	04-Feb-2026	18-Feb-2026	10-Feb-2026	✓	31-Mar-2026	10-Feb-2026	✓
12196377	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
12196382	03-Feb-2026	17-Feb-2026	10-Feb-2026	✓	30-Mar-2026	10-Feb-2026	✓
WP066 :PCBs in sediments	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
EA002 :PH UNITS SEDIMENT	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	12-Feb-2026	12-Feb-2026	✓	12-Feb-2026	12-Feb-2026	✓
WP075A :Phenols (Hal)	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
WP075A :Phenols (Non Hal)	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
EG048G :Chromium 6+ DA	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	5-Mar-2026	11-Feb-2026	✓	05-Mar-2026	11-Feb-2026	✓
WP071 :TRH F2	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	5-Feb-2026		N/A	05-Feb-2026		N/A
12196356	05-Feb-2026	5-Feb-2026		N/A	05-Feb-2026		N/A
12196364	03-Feb-2026	3-Feb-2026		N/A	03-Feb-2026		N/A
12196368	04-Feb-2026	4-Feb-2026		N/A	04-Feb-2026		N/A
12196371	04-Feb-2026	4-Feb-2026		N/A	04-Feb-2026		N/A
12196377	05-Feb-2026	5-Feb-2026		N/A	05-Feb-2026		N/A
12196382	03-Feb-2026	3-Feb-2026		N/A	03-Feb-2026		N/A
WP071 :TRH & TPH >C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
12196356	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	01-Apr-2026	10-Feb-2026	✓
12196364	03-Feb-2026	17-Feb-2026	11-Feb-2026	✓	30-Mar-2026	11-Feb-2026	✓
12196368	04-Feb-2026	18-Feb-2026	11-Feb-2026	✓	31-Mar-2026	11-Feb-2026	✓
12196371	04-Feb-2026	18-Feb-2026	11-Feb-2026	✓	31-Mar-2026	11-Feb-2026	✓
12196377	05-Feb-2026	19-Feb-2026	11-Feb-2026	✓	01-Apr-2026	11-Feb-2026	✓
12196382	03-Feb-2026	17-Feb-2026	11-Feb-2026	✓	30-Mar-2026	11-Feb-2026	✓

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WP074 (F1 not NATA) :TRH & TPH C6-C10	Sampled Date	Due for Extraction	Date Extracted	Evaluation	Due for analysis	Date analysed	Evaluation
12196355	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
12196356	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
12196364	03-Feb-2026	17-Feb-2026	10-Feb-2026	✓	17-Feb-2026	10-Feb-2026	✓
12196368	04-Feb-2026	18-Feb-2026	10-Feb-2026	✓	18-Feb-2026	10-Feb-2026	✓
12196371	04-Feb-2026	18-Feb-2026	10-Feb-2026	✓	18-Feb-2026	10-Feb-2026	✓
12196377	05-Feb-2026	19-Feb-2026	10-Feb-2026	✓	19-Feb-2026	10-Feb-2026	✓
12196382	03-Feb-2026	17-Feb-2026	10-Feb-2026	✓	17-Feb-2026	10-Feb-2026	✓

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QUALITY CONTROL - BLANKS

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination.

Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value
12208398	QC - Blank	BTEXN: BENZENE	<0.5	mg/kg	<0.5
		BTEXN: BTEX (Sum)	<1	mg/kg	<1
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1
		BTEXN: XYLENE-MP	<1	mg/kg	<1
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5
12208402	QC - Blank	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20
12208727	QC - Blank	HVOLs: 1112TCAN	<0.5	mg/kg	<0.5
		HVOLs: 111TCANE	<0.5	mg/kg	<0.5
		HVOLs: 1122TCAN	<0.5	mg/kg	<0.5
		HVOLs: 112TCANE	<0.5	mg/kg	<0.5
		HVOLs: 11DCANE	<0.5	mg/kg	<0.5
		HVOLs: 11DCENE	<0.5	mg/kg	<0.5
		HVOLs: 11DCPENE	<0.5	mg/kg	<0.5
		HVOLs: 123TCPAN	<0.5	mg/kg	<0.5
		HVOLs: 12DB3CLP	<0.5	mg/kg	<0.5
		HVOLs: 12DBRANE	<0.5	mg/kg	<0.5

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QUALITY CONTROL - BLANKS

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					Sample Value
12208727	QC - Blank	HVOLs: 12DCENEC	<0.5	mg/kg	<0.5
		HVOLs: 12DCENET	<0.5	mg/kg	<0.5
		HVOLs: 12DCLANE	<0.5	mg/kg	<0.5
		HVOLs: 12DCLPANE	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPANE	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPRC	<0.5	mg/kg	<0.5
		HVOLs: 13DCLPRT	<0.5	mg/kg	<0.5
		HVOLs: 14-Dichloroethane-d4-SURR		%	105.6
		HVOLs: 22DCPANE	<0.5	mg/kg	<0.5
		HVOLs: 2CLTOL	<0.5	mg/kg	<0.5
		HVOLs: 4CLTOL	<0.5	mg/kg	<0.5
		HVOLs: BCLMANE	<0.5	mg/kg	<0.5
		HVOLs: BDCMANE	<0.5	mg/kg	<0.5
		HVOLs: BRBENZ	<0.5	mg/kg	<0.5
		HVOLs: BROMOFOR	<0.5	mg/kg	<0.5
		HVOLs: CARTET	<0.5	mg/kg	<0.5
		HVOLs: CHCL3	<0.5	mg/kg	<0.5
		HVOLs: CHLOBENZ	<0.5	mg/kg	<0.5
		HVOLs: DBCLMANE	<0.5	mg/kg	<0.5
		HVOLs: DBMANE	<0.5	mg/kg	<0.5
HVOLs: DCM	<1	mg/kg	<1		

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QUALITY CONTROL - BLANKS

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					Sample Value
12208727	QC - Blank	HVOLs: TCLFMANE	<2	mg/kg	<2
		HVOLs: TETCENE	<0.5	mg/kg	<0.5
		HVOLs: Toluene-d8-SURR		%	113.8
		HVOLs: TRICENE	<0.5	mg/kg	<0.5
		HVOLs: VCL	<1	mg/kg	<1
12208730	QC - Blank	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<0.5
		MAHs: BENZENE	<0.5	mg/kg	<0.5
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<0.5
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<0.5
		MAHs: STYRENE	<0.5	mg/kg	<0.5
		MAHs: TOLUENE	<0.5	mg/kg	<0.5
		MAHs: XYLENES	<0.5	mg/kg	<0.5
12208839	QC - Blank	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 1235TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1
		CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1

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QUALITY CONTROL - BLANKS

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					Sample Value
12208839	QC - Blank	CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1
		CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1
		CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1
		CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1
12208843	QC - Blank	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): 24-DINITROPHENOL	<30	mg/kg	<30
		Phenols (Non Hal): 2-CYCLOHEXYL-46-DINITROPHENOL	<30	mg/kg	<30
		Phenols (Non Hal): 2-METHYL-46-DINITROPHENOL	<10	mg/kg	<10
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): 4-NITROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): DINOSEB	<10	mg/kg	<10
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1
		Phenols (Non Hal): TOTAL PHENOLS (NON HALOGENATED)	<30	mg/kg	<30
12208845	QC - Blank	Phenols (Hal): 2345 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 2356 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5

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QUALITY CONTROL - BLANKS

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					Sample Value
12208845	QC - Blank	Phenols (Hal): 245-TRICHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 246-TRICHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 24-DICHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 26-DICHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 2-CHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): PENTACHLOROPHENOL	<0.5	mg/kg	<0.5
		Phenols (Hal): TOTAL PHENOLS (HALOGENATED)	<0.5	mg/kg	<0.5
12208853	QC - Blank	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1

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QUALITY CONTROL - BLANKS

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					Sample Value
12208853	QC - Blank	PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: p-Terphenyl-d14-SURR		%	96
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1
12208855	QC - Blank	OCP_SOIL: 2456-tetrachloro-m-xylene-SURR		%	102
		OCP_SOIL: A-BHC	<0.05	mg/kg	<0.05
		OCP_SOIL: A-ENDOSULPHAN	<0.05	mg/kg	<0.05
		OCP_SOIL: ALDRIN	<0.05	mg/kg	<0.05
		OCP_SOIL: B-BHC	<0.05	mg/kg	<0.05
		OCP_SOIL: B-ENDOSULPHAN	<0.05	mg/kg	<0.05
		OCP_SOIL: C-CHLORDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: CHLORDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: D-BHC	<0.05	mg/kg	<0.05
		OCP_SOIL: DDD	<0.05	mg/kg	<0.05
		OCP_SOIL: DDE	<0.05	mg/kg	<0.05
		OCP_SOIL: DDT	<0.05	mg/kg	<0.05
		OCP_SOIL: DIELDRIN	<0.05	mg/kg	<0.05
		OCP_SOIL: ENDOSULFAN SULPHATE	<0.05	mg/kg	<0.05
		OCP_SOIL: ENDRIN	<0.05	mg/kg	<0.05
OCP_SOIL: ENDRIN ALDEHYDE	<0.05	mg/kg	<0.05		

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QUALITY CONTROL - BLANKS

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					Sample Value
12208855	QC - Blank	OCP_SOIL: ENDRIN KETONE	<0.05	mg/kg	<0.05
		OCP_SOIL: HEPTACHLOR	<0.05	mg/kg	<0.05
		OCP_SOIL: HEPTACHLOREPOXIDE	<0.05	mg/kg	<0.05
		OCP_SOIL: HEXACHLOROBENZENE	<0.05	mg/kg	<0.05
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.05
		OCP_SOIL: OXYCHLORDANE	<0.05	mg/kg	<0.05
		OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.05
12208857	QC - Blank	PCBs in sediments: 2-fluorobiphenyl-SURR		%	122
		PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1221	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1232	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1242	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1248	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1254	<0.1	mg/kg	<0.1
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1
		PCBs in sediments: TOTAL PCBS	<0.1	mg/kg	<0.1
12209688	QC - Blank	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50

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QUALITY CONTROL - BLANKS

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					Sample Value
12209688	QC - Blank	TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50
12209725	QC - Blank	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50
		TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50
12218297	QC - Blank	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	<0.0002
		PFOS/PFOA: PERFLUOROCTANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	<0.0002
		PFOS/PFOA: PERFLUOROCTANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002
12223079	QC - Blank	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5
		MS Metals Rev Aq Reg: AS	<5	mg/kg	<5
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2
		MS Metals Rev Aq Reg: CR	<5	mg/kg	<5
		MS Metals Rev Aq Reg: CU	<5	mg/kg	<5
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05

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QUALITY CONTROL - BLANKS

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					Sample Value
12223079	QC - Blank	MS Metals Rev Aq Reg: MO	<5	mg/kg	<5
		MS Metals Rev Aq Reg: NI	<5	mg/kg	<5
		MS Metals Rev Aq Reg: PB	<5	mg/kg	<5
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	<5

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QUALITY CONTROL - DUPLICATES

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Duplicate Value	% RPD
12208395	12196176	BTEXN: BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: BTEX (Sum)	<1	mg/kg	<1	<1	0
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	<0.5	0
		BTEXN: TOTAL XYLENES	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-MP	<1	mg/kg	<1	<1	0
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	<0.5	0
12208401	12196355	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	<20	0
		TRH & TPH C6-C10: TRH_C6-C10 minus BTEX	<20	mg/kg	<20	<20	0
12208725	12199189	HVOLs: 1112TCAN	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 111TCANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 1122TCAN	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 112TCANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 11DCANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 11DCENE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 11DCPENE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 123TCPAN	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 12DB3CLP	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 12DBRANE	<0.5	mg/kg	<0.6	<0.6	0

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QUALITY CONTROL - DUPLICATES

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					Sample Value	Duplicate Value	% RPD
12208725	12199189	HVOLs: 12DCENEC	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 12DCENET	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 12DCLANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 12DCLPANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 13DCLPANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 13DCLPRC	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 13DCLPRT	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 14-Dichloroethane-d4-SURR		%	111.9	115.05	2.8
		HVOLs: 22DCPANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 2CLTOL	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: 4CLTOL	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: BCLMANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: BDCMANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: BRBENZ	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: BROMOFOR	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: CARTET	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: CHCL3	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: CHLOBENZ	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: DBCLMANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: DBMANE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: DCM	<1	mg/kg	<1	<1	0

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					Sample Value	Duplicate Value	% RPD
12208725	12199189	HVOLs: TCLFMANE	<2	mg/kg	<2	<2	0
		HVOLs: TETCENE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: Toluene-d8-SURR		%	121	117.1	3.3
		HVOLs: TRICENE	<0.5	mg/kg	<0.6	<0.6	0
		HVOLs: VCL	<1	mg/kg	<1	<1	0
12208728	12199189	MAHs: 124-TRIMETHYLBENZENE/TMB	<0.5	mg/kg	<0.6	<0.6	0
		MAHs: BENZENE	<0.5	mg/kg	<0.6	<0.6	0
		MAHs: CUMENE/ISOPROPYL BENZENE/EMB	<0.5	mg/kg	<0.6	<0.6	0
		MAHs: ETHYL BENZENE	<0.5	mg/kg	<0.6	<0.6	0
		MAHs: STYRENE	<0.5	mg/kg	<0.6	<0.6	0
		MAHs: TOLUENE	<0.5	mg/kg	<0.6	<0.6	0
		MAHs: XYLENES	<0.5	mg/kg	<0.6	<0.6	0
12208838	12196355	CHCS: 1234TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 1235TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 123TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 1245TETRACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 124TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 12-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 135TRICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 13-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: 14-DICHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
12208838	12196355	CHCS: 2 CHLORONAPHTHALENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZAL CHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZOTRICHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: BENZYLCHLORIDE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROBUTADIENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROCYCLOPENTADIENE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: HEXACHLOROETHANE	<0.1	mg/kg	<0.1	<0.1	0
		CHCS: PENTACHLOROBENZENE	<0.1	mg/kg	<0.1	<0.1	0
12208842	12196355	Phenols (Non Hal): 24-DIMETHYL PHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): 24-DINITROPHENOL	<30	mg/kg	<30	<30	0
		Phenols (Non Hal): 2-CYCLOHEXYL-46-DINITROPHENOL	<30	mg/kg	<30	<30	0
		Phenols (Non Hal): 2-METHYL-46-DINITROPHENOL	<10	mg/kg	<10	<10	0
		Phenols (Non Hal): 2-NITROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): 4-NITROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): DINOSEB	<10	mg/kg	<10	<10	0
		Phenols (Non Hal): PHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Non Hal): TOTAL CRESOLS	<1	mg/kg	<1	<1	0
		Phenols (Non Hal): TOTAL PHENOLS (NON HALOGENATED)	<30	mg/kg	<30	<30	0
12208844	12196355	Phenols (Hal): 2345 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2346 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2356 TETRACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0

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					Sample Value	Duplicate Value	% RPD
12208844	12196355	Phenols (Hal): 245-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 246-TRICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 24-DICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 26-DICHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 2-CHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): 4-CHLORO-3-METHYLPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): PENTACHLOROPHENOL	<0.5	mg/kg	<0.5	<0.5	0
		Phenols (Hal): TOTAL PHENOLS (HALOGENATED)	<0.5	mg/kg	<0.5	<0.5	0
12208850	12196355	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BAP_TEQ_(HALF_LOR)	<0.1	mg/kg	0.1	0.1	0.0
		PAHs in Soil: BAP_TEQ_(LOR)	0.2	mg/kg	0.2	0.2	0.0
		PAHs in Soil: BAP_TEQ_(ZERO)	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZ(A)ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(A)PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(B)FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(GHI)PERYLENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: BENZO(K)FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: CHRYSENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
12208850	12196355	PAHs in Soil: FLUORANTHENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: INDENO(123-CD)PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: p-Terphenyl-d14-SURR		%	94	92	2.2
		PAHs in Soil: PYRENE	<0.1	mg/kg	<0.1	<0.1	0
		PAHs in Soil: TOTAL PAHS	<0.1	mg/kg	<0.1	<0.1	0
12208854	12196355	OCP_SOIL: 2456-tetrachloro-m-xylene-SURR		%	96	94	2.1
		OCP_SOIL: A-BHC	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: A-ENDOSULPHAN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ALDRIN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: B-BHC	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: B-ENDOSULPHAN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: C-CHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: CHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: D-BHC	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DDD	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DDE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DDT	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: DIELDRIN	<0.05	mg/kg	<0.05	<0.05	0

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					Sample Value	Duplicate Value	% RPD
12208854	12196355	OCP_SOIL: ENDOSULFAN SULPHATE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDRIN	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDRIN ALDEHYDE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: ENDRIN KETONE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: HEPTACHLOR	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: HEPTACHLOREPOXIDE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: HEXACHLOROBENZENE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: LINDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: METHOXYCHLOR	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: OXYCHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
		OCP_SOIL: TRANS-CHLORDANE	<0.05	mg/kg	<0.05	<0.05	0
12208856	12196355	PCBs in sediments: 2-fluorobiphenyl-SURR		%	112	102	9.3
		PCBs in sediments: AROCLOR 1016	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1221	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1232	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1242	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1248	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1254	<0.1	mg/kg	<0.1	<0.1	0
		PCBs in sediments: AROCLOR 1260	<0.1	mg/kg	<0.1	<0.1	0
12209685	12199292	TRH & TPH >C10: Sum of TPH C10-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: Sum of TRH>C10-C40	<50	mg/kg	<50	<50	0

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					Sample Value	Duplicate Value	% RPD
12209685	12199292	TRH & TPH >C10: TPH C10-C14	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TPH C29-C36	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C10-C16	<20	mg/kg	<20	<20	0
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	<50	<50	0
		TRH & TPH >C10: TRH>C34-C40	<50	mg/kg	<50	<50	0
12210987	12200721	Chromium 6+ DA: TOTAL CHROMIUM 6+	<1	mg/kg	<1	<1	0
12218108	12204245	S-CN: CYANIDE	<5	mg/kg	<5	<5	0
12218294	12185790	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	0.0007	0.0006	2.3
		PFOS/PFOA: PERFLUOROCTANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	0.0025	0.0025	0.0
		PFOS/PFOA: PERFLUOROCTANOIC ACID (PFOA)	<0.0002	mg/kg	<0.0002	<0.0002	0
12223077	12196368	MS Metals Rev Aq Reg: AG	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: AS	<5	mg/kg	<5	6	NA
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	<0.2	0
		MS Metals Rev Aq Reg: CR	<5	mg/kg	18	16	8.0
		MS Metals Rev Aq Reg: CU	<5	mg/kg	15	15	4.6
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05	<0.05	0
		MS Metals Rev Aq Reg: MO	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: NI	<5	mg/kg	40	33	20.0
		MS Metals Rev Aq Reg: PB	<5	mg/kg	22	16	31.5
		MS Metals Rev Aq Reg: SE	<3	mg/kg	<3	<3	0

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					Sample Value	Duplicate Value	% RPD
12223077	12196368	MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	<5	0
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	47	41	13.9
12223861	12200721	FLUORIDE SED TOT: FLUORIDE_SED	<100	mg/kg	300	310	4.4
12223921	12196858	PH UNITS SEDIMENT: PH_SED	<0.1	Units	7.1	7.2	0.7

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QUALITY CONTROL - SPIKES

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Lab ID	Client ID	Method :Compound	LOR	Unit	Sample Value	Expected Value	% Recovery
12208397	12196377	BTEXN: BENZENE	<0.5	mg/kg	<0.5	4.3	87.5
		BTEXN: ETHYL BENZENE	<0.5	mg/kg	<0.5	4.3	68.1
		BTEXN: NAPHTHALENE	<0.5	mg/kg	<0.5	4.3	53.6
		BTEXN: TOLUENE	<0.5	mg/kg	<0.5	4.3	83.1
		BTEXN: XYLENE-MP	<1	mg/kg	<1	8.6	78.4
		BTEXN: XYLENE-O	<0.5	mg/kg	<0.5	4.3	85.1
12208400	12196179	TRH & TPH C6-C10: TPH_C6-C9	<20	mg/kg	<20	120	80.4
		TRH & TPH C6-C10: TRH_C6-C10	<20	mg/kg	<20	120	79.5
12208852	12196371	PAHs in Soil: ACENAPHTHENE	<0.1	mg/kg	<0.1	1.6	90.6
		PAHs in Soil: ACENAPHTHYLENE	<0.1	mg/kg	<0.1	1.6	94.8
		PAHs in Soil: ANTHRACENE	<0.1	mg/kg	0.1	1.7	88.6
		PAHs in Soil: DIBENZ(AH)ANTHRACENE	<0.1	mg/kg	0.1	1.7	78.4
		PAHs in Soil: FLUORENE	<0.1	mg/kg	<0.1	1.6	93.0
		PAHs in Soil: NAPHTHALENE	<0.1	mg/kg	<0.1	1.6	94.2
		PAHs in Soil: PHENANTHRENE	<0.1	mg/kg	0.4	2.0	74.4
12209679	12190576	TRH & TPH >C10: TPH C15-C28	<50	mg/kg	<50	860	81.9
		TRH & TPH >C10: TRH>C16-C34	<50	mg/kg	120	1000	81.2
12210144	12185788	Chromium 6+ DA: TOTAL CHROMIUM 6+	<1	mg/kg	<1	20	96.4
12218101	12204175	S-CN: CYANIDE	<5	mg/kg	<5	20	93.3
12218295	12185793	PFOS/PFOA: PERFLUOROHEXANE SULFONIC ACID (PFHxS)	<0.0002	mg/kg	0.0027	0.0036	100
		PFOS/PFOA: PERFLUOROCTANE SULFONIC ACID (PFOS)	<0.0002	mg/kg	0.0007	0.0018	100

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QUALITY CONTROL - SPIKES

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

					Sample Value	Expected Value	% Recovery
12218295	12185793	PFOS/PFOA: PERFLUOROOCCTANOIC ACID (PFOA)	<0.0002	mg/kg	0.0003	0.0016	100
12223078	12196368	MS Metals Rev Aq Reg: AS	<5	mg/kg	<5	100	71.6
		MS Metals Rev Aq Reg: CD	<0.2	mg/kg	<0.2	100	81.9
		MS Metals Rev Aq Reg: CR	<5	mg/kg	18	120	73.5
		MS Metals Rev Aq Reg: HG	<0.05	mg/kg	<0.05	1.0	87.3
		MS Metals Rev Aq Reg: PB	<5	mg/kg	22	120	80.6
		MS Metals Rev Aq Reg: SN	<5	mg/kg	<5	100	79.3
		MS Metals Rev Aq Reg: ZN	<5	mg/kg	47	140	73.1
12223846	12200674	FLUORIDE SED TOT: FLUORIDE_SED	<100	mg/kg	660	1100	88.8

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Measurement of Uncertainty.

When any measurement is made there are a number of factors that affect how accurate the result is. Every step undertaken in the analysis of a sample is subject to some (small) level of error. Estimates of measurement uncertainty provide information about the relative size of the error. As such, MU is an important aspect of any result. Refer to Enviromail™ 53 - What is Measurement Uncertainty for more information.

Analysis	Method Code	Component	Location
			MEL
FLUORIDE SED TOT	QWI-EN.WK040T	FLUORIDE_SED	22%
S-CN	WK026SF	CYANIDE	20%

Analysis	Method Code	Component	Location
			MEL
MS Metals Rev Aq Reg	WG020B	AG	19%
		AS	20%
		CD	10%
		CR	18%
		CU	16%
		HG	23%
		MO	13%
		NI	16%
		PB	12%
		SE	21%
		SN	11%
		ZN	22%

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Analysis	Method Code	Component	Location
			MEL
Chromium 6+ DA	EG048G	TOTAL CHROMIUM 6+	20%

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Analysis	Method Code	Component	Location
			MEL
BTEXN	WP074	BENZENE	22%
		ETHYL BENZENE	17%
		NAPHTHALENE	24%
		TOLUENE	15%
		XYLENE-MP	16%
		XYLENE-O	17%
CHCS	WP084	1234TETRACHLOROBENZENE	24%
		123TRICHLOROBENZENE	31%
		1245TETRACHLOROBENZENE	25%
		124TRICHLOROBENZENE	32%
		12-DICHLOROBENZENE	18%
		135TRICHLOROBENZENE	22%
		13-DICHLOROBENZENE	21%
		14-DICHLOROBENZENE	20%
		2 CHLORONAPHTHALENE	22%
		BENZAL CHLORIDE	15%
		BENZOTRICHLORIDE	27%
		BENZYLCHLORIDE	18%
		HEXACHLOROBUTADIENE	27%
		HEXACHLOROCYCLOPENTADIENE	30%
HEXACHLOROETHANE	24%		

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			MEL
CHCS	WP084	PENTACHLOROBENZENE	33%
HVOLs	WP074	1112TCAN	15%
		111TCANE	20%
		1122TCAN	21%
		112TCANE	18%
		11DCANE	26%
		11DCENE	26%
		11DCPENE	23%
		123TCPAN	22%
		12DB3CLP	16%
		12DBRANE	15%
		12DCENEC	29%
		12DCENET	29%
		12DCLANE	26%
		12DCLPANE	24%
		13DCLPANE	19%
		13DCLPRC	15%
		13DCLPRT	22%
22DCPANE	21%		
2CLTOL	15%		
4CLTOL	16%		
BCLMANE	26%		

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			MEL
HVOLs	WP074	BDCMANE	22%
		BRBENZ	15%
		BROMOFOR	19%
		CARTET	19%
		CHCL3	24%
		CHLOBENZ	17%
		DBCLMANE	15%
		DBMANE	26%
		DCM	26%
		TCLFMANE	28%
		TETCENE	19%
		TRICENE	27%
		VCL	32%
MAHs	WP125 & WP074	124-TRIMETHYLBENZENE/TMB	18%
		BENZENE	25%
		CUMENE/ISOPROPYL BENZENE/EMB	20%
		ETHYL BENZENE	19%
		STYRENE	21%
		TOLUENE	18%
		XYLENES	19%
OCP_SOIL	WP068A	A-BHC	22%
		A-ENDOSULPHAN	24%

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			MEL
OCP_SOIL	WP068A	ALDRIN	27%
		B-BHC	26%
		B-ENDOSULPHAN	24%
		C-CHLORDANE	23%
		CHLORDANE	22%
		D-BHC	29%
		DDD	27%
		DDE	16%
		DDT	29%
		DIELDRIN	23%
		ENDOSULFAN SULPHATE	28%
		ENDRIN	29%
		ENDRIN ALDEHYDE	31%
		ENDRIN KETONE	24%
		HEPTACHLOR	22%
		HEPTACHLOREPOXIDE	22%
		HEXACHLOROBENZENE	20%
		LINDANE	23%
METHOXYCHLOR	41%		
OXYCHLORDANE	20%		
TRANS-CHLORDANE	21%		
PAHs in Soil	WP075B	ACENAPHTHENE	18%

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			MEL
PAHs in Soil	WP075B	ACENAPHTHYLENE	17%
		ANTHRACENE	18%
		BENZ(A)ANTHRACENE	27%
		BENZO(A)PYRENE	21%
		BENZO(B)FLUORANTHENE	25%
		BENZO(GHI)PERYLENE	31%
		BENZO(K)FLUORANTHENE	22%
		CHRYSENE	21%
		DIBENZ(AH)ANTHRACENE	27%
		FLUORANTHENE	26%
		FLUORENE	15%
		INDENO(123-CD)PYRENE	23%
		NAPHTHALENE	15%
		PHENANTHRENE	19%
PYRENE	27%		
PCBs in sediments	WP066	AROCLOR 1016	19%
		AROCLOR 1260	23%
PFOS/PFOA	EP231X	PERFLUOROHEXANE SULFONIC ACID (PFHxS)	25%
		PERFLUOROOCTANE SULFONIC ACID (PFOS)	28%
		PERFLUOROOCTANOIC ACID (PFOA)	27%
Phenols (Hal)	WP075A	2345 TETRACHLOROPHENOL	20%
		2346 TETRACHLOROPHENOL	15%

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			MEL
Phenols (Hal)	WP075A	2356 TETRACHLOROPHENOL	16%
		245-TRICHLOROPHENOL	20%
		246-TRICHLOROPHENOL	18%
		24-DICHLOROPHENOL	19%
		26-DICHLOROPHENOL	17%
		2-CHLOROPHENOL	17%
		4-CHLORO-3-METHYLPHENOL	17%
		PENTACHLOROPHENOL	29%
Phenols (Non Hal)	WP075A	24-DIMETHYL PHENOL	16%
		2-METHYL-46-DINITROPHENOL	20%
		2-NITROPHENOL	19%
		4-NITROPHENOL	16%
		DINOSEB	20%
		PHENOL	18%
		TOTAL CRESOLS	26%
TRH & TPH >C10	WP071	TPH C15-C28	26%
		TRH>C16-C34	27%
TRH & TPH C6-C10	WP074 (F1 not NATA)	TPH_C6-C9	23%
		TRH_C6-C10	21%
		TRH_C6-C10 minus BTEX	21%

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GROUNDED EXPERTISE

26-13313

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00 **Suburb:** Brooklyn **To:** ALS Water Resources Group
Project Manager: Avi Poonyth **Order Number:** ME222385 **Sampler:** AL 22 Dalmore Drive, Scoresby VIC 3179
Email: laboratory+68ff061edd8b9@datanest.earth, mitchell.dixon@douglaspartners.com.au **Attn:** Tuyen Nguyen
Turnaround time: Standard 72 hour 48 hour 24 hour Same day (03) 8756 8116 tuyen.nguyen@alsglobal.com

Prior Storage: Fridge Freezer Esky Shelf **Do samples contain 'potential' HBM?** No Yes YES, then handle, transport and store in accordance with FPM HAZID)

Lab ID	Sample ID	Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements			
	Location / Other ID		S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals											
	BH02/0.0-0.1	5/02/26	S	G														
	BH02/0.5-0.6	5/02/26	S	G+P	✓													
	BH02/1.0-1.1	5/02/26	S	G+P		✓												
	BH02/2.0-2.1	5/02/26	S	G														
	BH02/3.0-3.1	5/02/26	S	G														
	BH02/4.0-4.1	5/02/26	S	G						✓								
	BH02/5.0-5.1	5/02/26	S	G														
	BH02/6.0-6.1	5/02/26	S	G														
	BH02/7.0-7.1	5/02/26	S	G														
	BH10/0.0-0.1	3/02/26	S	G														
	BH10/0.5-0.6	3/02/26	S	G+P						✓								
	BH10/1.0-1.1	3/02/26	S	G														
	BH10/2.0-2.1	3/02/26	S	G														
	BH10/3.0-3.1	3/02/26	S	G+P						✓								

Douglas Partners Pty
DOUGLAS
 26-13313
 Customer Reference:
 239629.00 Brooklyn
 Due Date: 16/02/2026
 26-13313
 TAT: 5

Metals to analyse: As in A-S7-R suite **LAB RECEIPT**
Number of samples in container: **Transported to laboratory by:** ALS Courier **Lab Ref. No:**
Send results to: Douglas Partners Pty Ltd **Received by:** Madhuri Kodik
Address: 211 Normandy Road, South Melbourne VIC **Phone:** (03) 9673 3500 **Date & Time:** 09/02 @ 12:48
Relinquished by: MID **Date:** 9/02/2026 **Signed:** [Signature]

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GROUND
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CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00	Suburb: Brooklyn	To: ALS Water Resources Group
Project Manager: Avi Poonyth		Dispatch date: 9/02/2026

Lab ID	Sample ID	Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements		
	Location / Other ID		S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals										
	BH11/0.0-0.1	4/02/26	S	G+P		✓											
	BH11/0.4-0.5	4/02/26	S	G													
	BH11/1.0-1.1	4/02/26	S	G													
	BH11/2.0-2.1	4/02/26	S	G+P		✓											
	BH11/3.0-3.1	4/02/26	S	G													
	BH11/4.0-4.1	4/02/26	S	G			✓										
	BH11/5.0-5.1	4/02/26	S	G													
	BH11/6.0-6.1	4/02/26	S	G													
	BH11/7.0-7.1	4/02/26	S	G													
	BH13/0.0-0.1	5/02/26	S	G+P		✓											
	BH13/0.5-0.6	5/02/26	S	G													
	BH13/1.0-1.1	5/02/26	S	G													
	BH13/2.0-2.1	5/02/26	S	G+P			✓										
	BH15/0.0-0.1	3/02/26	S	G													
	BH15/0.5-0.6	3/02/26	S	G+P		✓											
	BH15/1.0-1.1	3/02/26	S	G													
	BH15/2.0-2.1	3/02/26	S	G+P													
	BH15/3.0-3.1	3/02/26	S	G			✓										

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ALS Water

ALS Water and Hydrographics Pty Ltd ABN: 94 105 060 320
 Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
www.alsglobal.com

**Sample Receipt Advice (SRA)**

Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
---	---

Batch Summary: **ALS Water Batch No :** **26-13313**

Date Received : 09-Feb-2026
Scheduled Reporting Date : 16-Feb-2026

Client Job Ref : 239629-00 Brooklyn
No. of Sample(s) : 40

Program : Misc.
Purchase Order : ME222385

NATA report : Reqd.

Lab. Contact :

Tuyen Nguyen

Phone: 03 87568000

Tuyen.Nguyen@alsglobal.com

Please direct any enquiries you have regarding this project to the above ALS Water contact .

Delivery Details:

COC Received :

YES

Sample Temperature on Receipt.

8

C^o

Samples preserved where applicable #

Comments:

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 Only comparisons are made against pretreatment/preservation as per AS/NZS 3668:2018, APHA USEPA standards.

Client: Douglas Partners Pty Ltd 231 Normanby Road SOUTH MELBOURNE VIC 3205 AUSTRALIA	Client Contact: Avi Poonyth Phone : 9673 3500 Mobile : Fax : 9673 3599 Email : avi.poonyth@douglaspartners.com.au
---	--

Summary of Sample and Received Analysis:

ALS Sample	Sample Name	Date	Test Count
12196355	BH02/0.5-0.6	05/02/2026	20
12196356	BH02/1.0-1.1	05/02/2026	7
12196359	BH02/4.0-4.1	05/02/2026	2
12196364	BH10/0.5-0.6	03/02/2026	7
12196367	BH10/3.0-3.1	03/02/2026	2
12196368	BH11/0.0-0.1	04/02/2026	7
12196371	BH11/2.0-2.1	04/02/2026	7
12196373	BH11/4.0-4.1	04/02/2026	2
12196377	BH13/0.0-0.1	05/02/2026	7
12196380	BH13/2.0-2.1	05/02/2026	2
12196382	BH15/0.5-0.6	03/02/2026	7
12196385	BH15/3.0-3.1	03/02/2026	2

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Only comparisons are made against pretreatment/preservation as per AS/NZS 3668:APHA/USEPA standards.

26-10767




GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00 **Suburb:** Brooklyn **To:** ALS Water Resources Group
Project Manager: Avi Poonyth **Order Number:** ME222358 **Sampler:** AL/BS
Email: laboratory+68ff061edd8b9@datanest.earth, mitchell.dixon@douglaspartners.com.au **Attn:** Tuyen Nguyen
Turnaround time: Standard 72 hour 48 hour 24 hour Same day (03) 8756 8116 tuyen.nguyen@alsglobal.com

Prior Storage: Fridge Freezer Esky Shelf **Do samples contain 'potential' HBM?** No Yes (if YES, then handle, transport and store in accordance with FPM HAZID)

Lab ID	Sample ID Location / Other ID	Date Sampled	Sample Container		Analytes										Notes/ Preservation/ Additional Requirements						
			Type	Type	S - soil	W - water	M - Material	G - glass	P - plastic	A-S1828CFP	EPA Screen	A-S7-R	Metals								
	BH09/0.0-0.1	21/01/26	S	G																	small jars only
	BH09/0.4-0.5	21/01/26	S	G+P						✓											small jars only
	BH09/1.0-1.1	21/01/26	S	G+P																	small jars only
	BH12/0.0-0.1	21/01/26	S	G																	small jars only
	BH12/0.5-0.6	21/01/26	S	G+P						✓											small jars only
	BH12/1.0-1.1	21/01/26	S	G																	small jars only
	BH12/1.9-2.0	21/01/26	S	G+P							✓										small jars only
	BH08/0.0-0.1	22/01/26	S	G+P						✓											
	BH08/0.5-0.6	22/01/26	S	G																	
	BH08/1.0-1.1	22/01/26	S	G+P																	
	BH08/2.0-2.1	22/01/26	S	G																	
	BH08/3.0-3.1	22/01/26	S	G								✓									
	BH17/0.0-0.1	22/01/26	S	G																	
	BH17/0.5-0.6	22/01/26	S	G+P						✓											

Douglas Partners Pty
DOUGLAS

 26-10767
Customer Reference:
 239629.00 Brooklyn
Due Date: 04/02/2026
 26-10767
 IAT: 4

Metals to analyse: 12 metals as in A-S7-R **LAB RECEIPT**
Number of samples in container: 37 **Transported to laboratory by:** ALS Courier
Send results to: Douglas Partners Pty Ltd
Address: 155-157 Main Street, Footscray VIC 3207 **Phone:** (03) 9673 3500
Relinquished by: MUD **Date:** 28/01/2026 **Signed:** [Signature]
Received by: [Signature] **Date & Time:** 28/1 1200
Signed: [Signature]

TC



GROUND
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EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00		Suburb: Brooklyn				To: ALS Water Resources Group											
Project Manager: Avi Poonyth								Dispatch date: 28/01/2026									
Lab ID	Sample ID	Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements		
	Location / Other ID		S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals										
	BH17/1.0-1.1	22/01/26	S	G													
	BH17/2.0-2.1	22/01/26	S	G													
	BH17/3.0-3.1	22/01/26	S	G+P													
	BH20/0.0-0.1	22/01/26	S	G													
	BH20/0.5-0.6	22/01/26	S	G+P			✓										
	BH20/1.0-1.1	22/01/26	S	G													
	BH21/0.0-0.1	22/01/26	S	G													
	BH21/0.4-0.5	22/01/26	S	G+P	✓												
	BH21/1.0-1.1	22/01/26	S	G+P			✓										
	TP04/0.4-0.5	27/01/26	S	G			✓										
	TP04/1.0-1.1	27/01/26	S	G			✓										
	TP05/0.5-0.6	27/01/26	S	G													
	TP06/0.0-0.1	27/01/26	S	G			✓										
	TP06/1.0-1.1	27/01/26	S	G													
	TP11/0.8-0.9	27/01/26	S	G			✓										
	TP12/0.0-0.1	27/01/26	S	G													
	TP12/0.8-0.9	27/01/26	S	G													
	TP18/0.0-0.1	27/01/26	S	G			✓										

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CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00	Suburb: Brooklyn	To: ALS Water Resources Group
Project Manager: Avi Poonyth		Dispatch date: 28/01/2026

Lab ID	Sample ID		Date Sampled	Sample Type			Container Type										Analytes	Notes/ Preservation/ Additional Requirements								
	Location / Other ID			S - soil	W - water	M - Material	G - glass	P - plastic	A-S1828CFP	EPA Screen	A-S7-R	Metals														
	TP18/1.0-1.1		27/01/26	S			G																			
	TP19/0.0-0.1		27/01/26	S			G																			
	TP19/1.0-1.1		27/01/26	S			G																			
	TP20/0.0-0.1		27/01/26	S			G				✓															
	TP20/1.0-1.1		27/01/26	S			G					✓														



CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00		Suburb: Brooklyn				To: ALS Water Resources Group												
Project Manager: Avi Poonyth									Dispatch date: 30/01/2026									
Lab ID	Sample ID	Date Sampled	Sample Type			Container Type		Analytes							Notes/ Preservation/ Additional Requirements			
	Location / Other ID		S - soil	W - water	M - Material	G - glass	P - plastic	A-S1828CFP EPA Screen	A-57-R	Metals								
	TP08/0.1-0.2	28/01/26	S			G			✓									
	TP08/0.8-0.9	28/01/26	S			G												
	TP17/0.1-0.2	28/01/26	S			G												
	TP17/0.8-0.9	28/01/26	S			G				✓								
	TP21/0.1-0.2	28/01/26	S			G												
	TP21/0.8-0.9	28/01/26	S			G												
	TP09/0.1-0.2	28/01/26	S			G			✓									
	TP09/0.6-0.7	28/01/26	S			G												
	TP10/0.1-0.2	28/01/26	S			G												
	TP10/0.7-0.8	28/01/26	S			G												
	BH18/0.0-0.1	28/01/26	S			G												
	BH18/0.4-0.5	28/01/26	S			G+P		✓										
	BH18/1.0-1.1	28/01/26	S			G												
	BH18/2.0-2.1	28/01/26	S			G+P		✓										
	BH18/3.0-3.1	28/01/26	S			G				✓								
	BH18/4.0-4.1	28/01/26	S			G												
	BH18/5.0-5.1	28/01/26	S			G												
	BH18/6.0-6.1	28/01/26	S			G												

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CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00		Suburb: Brooklyn						To: ALS Water Resources Group											
Project Manager: Avi Poonyth								Dispatch date: 30/01/2026											
Lab ID	Sample ID	Date Sampled	Sample Type			Container Type		Analytes								Notes/ Preservation/ Additional Requirements			
	Location / Other ID		S - soil	W - water	M - Material	G - glass	P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals									
	BH18/7.0-7.1	28/01/26	S			G													
	BH14/0.0-0.1	27/01/26	S			G													
	BH14/0.4-0.5	27/01/26	S			G+P			✓										
	BH14/1.0-1.1	27/01/26	S			G													
	BH14/2.0-2.1	27/01/26	S			G+P				✓									
	BH04/0.0-0.1	27/01/26	S			G+P			✓										
	BH04/0.5-0.6	27/01/26	S			G													
	BH04/1.0-1.1	27/01/26	S			G													
	BH04/2.0-2.1	27/01/26	S			G+P		✓											
	BH16/0.0-0.1	23/01/26	S			G													
	BH16/0.5-0.6	23/01/26	S			G+P			✓										
	BH16/1.0-1.1	23/01/26	S			G													
	BH16/2.0-2.1	23/01/26	S			G+P				✓									
	BH19/0.0-0.1	23/01/26	S			G+P			✓										
	BH19/0.4-0.5	23/01/26	S			G													
	BH19/1.0-1.1	23/01/26	S			G+P													
	BH19/2.0-2.1	23/01/26	S			G													
	BH01/0.0-0.1	28/01/26	S			G			✓										
	BH01/0.0-0.1	28/01/26	S			G													



GROUND
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EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00	Suburb: Brooklyn	To: ALS Water Resources Group
Project Manager: Avi Poonyth	Order Number: ME222370	Sampler: AL 22 Dalmore Drive, Scoresby VIC 3179
Email: laboratory+68ff061edd8b9@datanest.earth, mitchell.dixon@douglaspartners.com.au		Attn: Tuyen Nguyen
Turnaround time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day		(03) 8756 8116 tuyen.nguyen@alsglobal.com

Prior Storage: Fridge Freezer Esky Shelf **Do samples contain 'potential' HBM?** No Yes YES, then handle, transport and store in accordance with FPM HAZID)

Lab ID	Sample ID Location / Other ID	Date Sampled	Sample Type S - soil W - water M - Material	Container Type G - glass P - plastic	Analytes										Notes/ Preservation/ Additional Requirements		
					A-S1828CFP EPA Screen	A-S7-R	Metals										
	BH05/0.0-0.1	2/02/26	S	G													
	BH05/0.4-0.5	2/02/26	S	G+P			✓										
	BH05/1.0-1.1	2/02/26	S	G+P													
	BH05/2.0-2.1	2/02/26	S	G													
	BH05/3.0-3.1	2/02/26	S	G													
	BH05/4.0-4.1	2/02/26	S	G				✓									
	BH05/5.0-5.1	2/02/26	S	G													
	BH05/6.0-6.1	2/02/26	S	G													
	BH07/0.0-0.1	2/02/26	S	G													
	BH07/0.4-0.5	2/02/26	S	G+P			✓										
	BH07/1.0-1.1	2/02/26	S	G+P													
	BH07/2.0-2.1	2/02/26	S	G													
	BH07/3.0-3.1	2/02/26	S	G													

Douglas Partners Pty
DOUGLAS

26-12036

Customer Reference:
239629.00 Brooklyn
Due Date: 11/02/2026

26-12036
TAT: 5

Metals to analyse: As in A-S7-R suite		LAB RECEIPT	
Number of samples in container: 13	Transported to laboratory by: ALS Courier	Lab Ref. No:	
Send results to: Douglas Partners Pty Ltd		Received by: Madhai Kodin	
Address: 231 No. Anafly Road, South Melbourne VIC 3207	Phone: (03) 9673 3500	Date & Time: 06/02/26	
Relinquished by: MJD	Date: 3/02/2026	Signed: [Signature]	

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GROUNDED EXPERTISE

26-13313

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00 **Suburb:** Brooklyn **To:** ALS Water Resources Group
Project Manager: Avi Poonyth **Order Number:** ME222385 **Sampler:** AL 22 Dalmore Drive, Scoresby VIC 3179
Email: laboratory+68ff061edd8b9@datanest.earth, mitchell.dixon@douglaspartners.com.au **Attn:** Tuyen Nguyen
Turnaround time: Standard 72 hour 48 hour 24 hour Same day (03) 8756 8116 tuyen.nguyen@alsglobal.com

Prior Storage: Fridge Freezer Esky Shelf **Do samples contain 'potential' HBM?** No Yes YES, then handle, transport and store in accordance with FPM HAZID)

Lab ID	Sample ID		Date Sampled	Sample Type		Container Type		Analytes										Notes/ Preservation/ Additional Requirements					
	Location / Other ID			S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals															
	BH02/0.0-0.1		5/02/26	S	G																		
	BH02/0.5-0.6		5/02/26	S	G+P			✓															
	BH02/1.0-1.1		5/02/26	S	G+P				✓														
	BH02/2.0-2.1		5/02/26	S	G																		
	BH02/3.0-3.1		5/02/26	S	G																		
	BH02/4.0-4.1		5/02/26	S	G																		
	BH02/5.0-5.1		5/02/26	S	G																		
	BH02/6.0-6.1		5/02/26	S	G																		
	BH02/7.0-7.1		5/02/26	S	G																		
	BH10/0.0-0.1		3/02/26	S	G																		
	BH10/0.5-0.6		3/02/26	S	G+P																		
	BH10/1.0-1.1		3/02/26	S	G																		
	BH10/2.0-2.1		3/02/26	S	G																		
	BH10/3.0-3.1		3/02/26	S	G+P																		

Douglas Partners Pty
DOUGLAS
 26-13313
 26-13313
 TAT: 5
Customer Reference:
 239629.00 Brooklyn
Due Date: 16/02/2026

Metals to analyse: As in A-S7-R suite **LAB RECEIPT**
Number of samples in container: **Transported to laboratory by:** ALS Courier **Lab Ref. No:**
Send results to: Douglas Partners Pty Ltd **Received by:** Madhuri Kodik
Address: 211 Normandy Road, South Melbourne **Phone:** (03) 9673 3500 **Date & Time:** 09/02 @ 12:48
Relinquished by: MID **Date:** 9/02/2026 **Signed:** [Signature]

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GROUNDED EXPERTISE

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239629.00	Suburb: Brooklyn	To: ALS Water Resources Group
Project Manager: Avi Poonyth		Dispatch date: 9/02/2026

Lab ID	Sample ID	Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements			
	Location / Other ID		S - soil W - water M - Material	G - glass P - plastic	A-S1828CFP EPA Screen	A-S7-R	Metals											
	BH11/0.0-0.1	4/02/26	S	G+P		✓												
	BH11/0.4-0.5	4/02/26	S	G														
	BH11/1.0-1.1	4/02/26	S	G														
	BH11/2.0-2.1	4/02/26	S	G+P		✓												
	BH11/3.0-3.1	4/02/26	S	G														
	BH11/4.0-4.1	4/02/26	S	G			✓											
	BH11/5.0-5.1	4/02/26	S	G														
	BH11/6.0-6.1	4/02/26	S	G														
	BH11/7.0-7.1	4/02/26	S	G														
	BH13/0.0-0.1	5/02/26	S	G+P		✓												
	BH13/0.5-0.6	5/02/26	S	G														
	BH13/1.0-1.1	5/02/26	S	G														
	BH13/2.0-2.1	5/02/26	S	G+P			✓											
	BH15/0.0-0.1	3/02/26	S	G														
	BH15/0.5-0.6	3/02/26	S	G+P		✓												
	BH15/1.0-1.1	3/02/26	S	G														
	BH15/2.0-2.1	3/02/26	S	G+P														
	BH15/3.0-3.1	3/02/26	S	G			✓											

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Inputs
Select contaminant from list below
DDT
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	DDT generic EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	3	3
Urban residential and open public spaces	180	180
Commercial and industrial	640	640

Inputs**Select contaminant from list below****Naphthalene****Below needed to calculate fresh and aged ACLs****Below needed to calculate fresh and aged ABCs****or for fresh ABCs only****or for aged ABCs only****Outputs****Land use****Naphthalene generic EILs****(mg contaminant/kg dry soil)****Fresh****Aged****National parks and areas of high conservation value****10****10****Urban residential and open public spaces****170****170****Commercial and industrial****370****370****ADVERTISED MATERIAL**

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Inputs	
Select contaminant from list below	
Pb	
Below needed to calculate fresh and aged ACLs	
Below needed to calculate fresh and aged ABCs	
or for fresh ABCs only	
or for aged ABCs only	

Outputs		
Land use	Lead generic EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	110	470
Urban residential and open public spaces	270	1100
Commercial and industrial	440	1800

Inputs	
Select contaminant from list below	
Cu	
Below needed to calculate fresh and aged ACLs	
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)	
16	
Enter soil pH (calcium chloride method) (values from 1 to 14)	
9.8	
Enter organic carbon content (%OC) (values from 0 to 50%)	
10	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration	
7	
or for aged ABCs only	
Enter State (or closest State)	
VIC	
Enter cation volume (high or low)	
high	

Outputs		
Land use	Cu soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	70	75
Urban residential and open public spaces	130	210
Commercial and industrial	180	310

Inputs	
Select contaminant from list below	
Ni	
Below needed to calculate fresh and aged ACLs	
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)	
16	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration	
7	
or for aged ABCs only	
Enter State (or closest State)	
VIC	
Enter traffic volume (high or low)	
high	

Outputs		
Land use	Ni soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	35	50
Urban residential and open public spaces	100	240
Commercial and industrial	170	400

Inputs
Select contaminant from list below Cr III
Below needed to calculate fresh and aged ACLs
Enter % clay (values from 0 to 100%) 10
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration 7
or for aged ABCs only
Enter State (or closest State) VIC
Enter traffic volume (high or low) high

Outputs		
Land use	Cr III soil-specific EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	130	140
Urban residential and open public spaces	230	410
Commercial and industrial	340	670

Inputs	
Select contaminant from list below	
Zn	
Below needed to calculate fresh and aged ACLs	
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)	
16	
Enter soil pH (calcium chloride method) (values from 1 to 14)	
9.8	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration	
7	
or for aged ABCs only	
Enter State (or closest State)	
VIC	
Enter traffic volume (high or low)	
high	

Outputs		
Land use	Zn soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	90	180
Urban residential and open public spaces	260	640
Commercial and industrial	390	960

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