
Report on Detailed Site Investigation

Proposed Residential Development

72 & 82-86 Menangle Road, Camden NSW

Prepared for Homes NSW

Project 239951.00.R.002.Rev2

24 June 2026

Document History

Details

Project No.	Project 239951.00.R.002.Rev2
Document Title	Report on Detailed Site Investigation
Site Address	72 & 82-86 Menangle Road, Camden NSW
Report Prepared For	Homes NSW
Filename	239951.00.R.002.Rev2

Status and Review

Status	Prepared by	Reviewed by	Date issued
Revision 0	Grant Russell	Dean Woods	02 April 2026
Revision 1	Grant Russell	Dean Woods	3 June 2026
Revision 2	Grant Russell	Dean Woods	24 June 2026

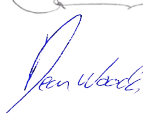
Distribution of Copies

Status	Issued to
Revision 0	Homes NSW
Revision 1	Homes NSW
Revision 2	Homes NSW

The undersigned, on behalf of Douglas Partners Pty Ltd, confirm that this document and all attached drawings, logs and test results have been checked and reviewed for errors, omissions and inaccuracies.

Signature

Date

Author		24 June 2026
Reviewer		24 June 2026

Executive Summary

Douglas Partners Pty Ltd (Douglas) has been engaged by Homes NSW to prepare this detailed site investigation (DSI) for a proposed residential development at 72 & 82-86 Menangle Road, Camden NSW (the site). The site is shown on Drawing 1, Appendix A.

This PSI report has been prepared by Douglas as part of the Environmental Impact Statement (EIS) for a State Significant Development (SSD) application and concurrent rezoning for a social and affordable housing development at 72 and 82-86 Menangle Road, Camden.

The site is located at 72 and 82-86 Menangle Road, Camden, in the Camden Local Government Area (LGA) and has a combined site area of 7,184 m².

The SSDA seeks approval for the construction of two residential flat buildings comprising a total of 95 social and affordable housing dwellings.

In March 2026, Douglas completed a preliminary site investigation (PSI) ¹ for the site which identified several potential areas of environmental concern (PAEC) and potential sources of contamination at the site (refer to Section 6) which required further investigation.

The objective of the DSI is to assess the suitability of the site for the proposed development and whether further investigation and/or management is required.

The results of the previous PSI, completed by Douglas in March 2026, identified the following potential sources of contamination for soils at the site:

- Importation of fill associated with levelling and potential burying of waste;
- Former structures, residential dwellings and associated current structures; and
- Potential fly-tipping/storage of refuse/building material.

As a part of this DSI, soil sampling was completed at 10 boreholes and eight test pits completed at broadly spaced locations in exterior areas of the site, targeting potential sources of contamination and background areas. Soil samples were sent for analysis of contaminants of potential concern (CoPC) commonly associated with the identified potential sources of contamination.

The results of fieldwork and laboratory analysis identified asbestos impacted surface soil in the vicinity of the three residential dwellings on 82- 86 Menangle Road, and at borehole BH102 completed in the northern portion of the site, that will require either remediation and/or management for the site to be considered suitable for the proposed residential land use. It is noted that boreholes have a low confidence of detecting asbestos and further intrusive soil investigations, including an asbestos assessment, will be also necessary beneath the buildings on 82- 86 Menangle Road following demolition of the structures and at BH102 to assess the lateral and vertical extent of asbestos impact and the % weight/weight in fill. Further intrusive investigations of soil should also be completed within the footprint of the former nurses' quarters at 72 Menangle Road following demolition.

¹ Douglas (2026) *Report on Preliminary Site Investigation, Proposed Residential Development, 70-78 & 82-86 Menangle Road, Camden NSW*, Douglas ref.239951.00.R.001.Rev0 dated 2 March 2026.

The preparation of a remediation action plan (RAP) will be required to detail the remediation, validation and further investigation requirements for the asbestos impacted surface soil in the vicinity of the dwellings at 82- 86 Menangle Road and at borehole BH102 in the northern portion of the site to render the site suitable for the proposed land use. The RAP should also include an unexpected finds protocol to provide a formal contingency to be followed in the event of an unexpected find with respect to potential site contamination issues encountered during future bulk earthworks.

Based on the above, the site will be/can be made suitable following remediation and management in accordance with the RAP.

Table of Contents

	Page No
1. Introduction	1
1.1 Secretary's environmental assessment requirements (SEARs)	2
1.2 Proposed development	2
2. Scope of work	2
3. Site information	3
4. Environmental setting	4
4.1 Topography	4
4.2 Site geology	5
4.3 Soils landscape	6
4.4 Acid sulfate soils	7
4.5 Surface water and groundwater	7
5. Summary of previous reports	9
5.1 Review of Previous Investigations	9
5.2 ContinuOne Greencap (2021A)	9
5.3 ContinuOne Greencap (2021B)	10
5.4 Douglas (2026)	10
6. Preliminary conceptual site model	11
7. Sampling and analysis plan	14
7.1 Data quality objectives	14
7.2 Soil sampling and analysis rationale	14
8. Site assessment criteria	15
9. Results	15
9.1 Field work results	15
9.2 Laboratory analytical results	16
9.3 Data quality assurance and quality control	16
10. Discussion	17
10.1 Asbestos in soils	17
11. Revised conceptual site model	17
12. Conclusions and recommendations	18
13. References	19
14. Limitations	19

Appendix A:	Drawings
Appendix B:	About this report
Appendix C:	Data Quality Objectives
Appendix D:	Fieldwork Methodology
Appendix E:	Site Assessment Criteria
Appendix F:	Laboratory Summary Table F1
Appendix G:	Borehole and test pit Logs
Appendix H:	Photographic Plates
Appendix I:	Laboratory Certificate of Analysis, Chain of Custody Documentation, and Sample Receipt Advice
Appendix J:	Data Quality Assurance and Quality Control

Report on Detailed Site Investigation Proposed Residential Development 72 & 82-86 Menangle Road, Camden NSW

1. Introduction

Douglas Partners Pty Ltd (Douglas) has been engaged by Homes NSW to prepare this detailed site investigation (DSI) for a proposed residential development at 72 & 82-86 Menangle Road, Camden NSW (the site). The site is shown on Drawing 1, Appendix A.

This DSI report has been prepared by Douglas as part of the Environmental Impact Statement (EIS) for a State Significant Development (SSD) application and concurrent rezoning for a social and affordable housing development at 72 and 82-86 Menangle Road, Camden.

The site is located at 72 and 82-86 Menangle Road, Camden, in the Camden Local Government Area (LGA) and has a combined site area of 7,184 sqm.

The SSDA seeks approval for the construction of two residential flat buildings comprising a total of 95 social and affordable housing dwellings.

In June 2026, Douglas completed a preliminary site investigation (PSI) ² for the site which identified several potential areas of environmental concern (PAEC) and potential sources of contamination at the site (refer to Section 6) which required further investigation.

The objective of the DSI is to assess the suitability of the site for the proposed development and whether further investigation and/or management is required.

This report must be read in conjunction with all appendices including the notes provided in Appendix B.

The following key guidelines were consulted in the preparation of this report:

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)* [NEPM] (NEPC, 2013); and
- NSW EPA *Guidelines for Consultants Reporting on Contaminated Land* (NSW EPA, 2020).

This DSI was completed in conjunction with a geotechnical assessment (refer to report 239951.01.R.001.Rev1), which will be reported separately.

² Douglas (2026) *Report on Preliminary Site Investigation, Proposed Residential Development, 72 & 82-86 Menangle Road, Camden NSW*, Douglas ref.239951.00.R.001.Rev1 dated 1 June 2026.

1.1 Secretary's environmental assessment requirements (SEARs)

This report has been prepared to address the Secretary's Environmental Assessment Requirements (SEARs) issued for the project (SSD-116982991) on 11 May 2026 as detailed in Table 1 below.

Table 1: Relevant SEARs considered

Issue	SEARS requirement	Section reference
13. Contamination and Remediation	In accordance with Chapter 4 of the <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i> , assess and quantify any soil and groundwater contamination and demonstrate that the site is suitable (or will be suitable, after remediation) for the development.	Detailed site investigation - This report

1.2 Proposed development

The SSD application seeks consent for the following:

- Site preparation works including excavation.
- Construction of two residential flat buildings containing 95 dwellings for the purpose of social and affordable housing.
- Construction of one level of basement parking for each residential flat building.
- Associated landscaping and communal open space.
- Infrastructure servicing.

2. Scope of work

The following scope of works was undertaken for this DSI:

- Review of previous environmental investigations and results relevant to the site including the findings of the PSI;
- Drilling and soil sampling from 10 boreholes (BH) across the site;
- Excavation and sampling from an additional eight test pits to assess general background site condition and target PAEC identified in the PSI site history study;
- Analysis of selected soil samples at a National Association of Testing Authorities (NATA) accredited laboratory for the identified contaminants of potential concern (CoPC) associated with the potential identified sources;
- Interpretation of results in accordance with current NSW EPA endorsed guidelines; and
- Preparation of this report detailing the methodology and results of the investigation including recommendations on the suitability of the site and future remedial/management options for the site, if required.

3. Site information

Site address	72 & 82-86 Menangle Road, Camden NSW
Legal description	72 Menangle Road (Lots 73-77 & 86 Deposited plan (DP) 21405); 82 Menangle Road (Lot 1 DP24039); and 84 – 86 Menangle Road (Lots 2 & 3 DP24039).
Area	7,184 m ²
Zoning	Zone SP2 Infrastructure (Hospital)
Local government area	Camden Council
Current use	72 Menangle Road - Former nurse's quarters 82 Menangle Road – residential dwelling previously used as an office of administration 84-86 Menangle Road – two residential dwellings
Surrounding uses	North – Menangle Road with Camden Hospital beyond to the northwest. Gilbulla Avenue and residential properties are located to the northeast. East – Residential South – Residential West – Menangle Road with Old Hume highway and residential properties beyond

The site boundary is shown on Figure 1.



Figure 1: Site location (shown in red outline)

4. Environmental setting

4.1 Topography

Regional topographic data indicates that surrounding levels are undulating.

As shown in Figure 2 below, the 2 m elevation contour topographical mapping indicates that the site is sloping from the west to the east with an overall difference in level of approximately 7 m from the highest part of the site (Reduced Level [RL] 88 m relative to Australian Height Datum [AHD]) in the north western portion to the lowest (RL 81 m) in the south eastern portion.



Figure 2: Topography of the site (2 m elevation contours)

Site boundary as shown in red outline;
2 m elevation contours shown in orange outline.

4.2 Site geology

The NSW Seamless Geological Series (GSNSW, 2019), presented below as Figure 3, indicates that most of the site is underlain by Bringelly Shale of Triassic age of the Wianamatta Group (mapping unit 'Twib').

The Bringelly Shale formation typically comprises claystone, siltstone and laminite with fine to medium-grained lithic sandstone members and rare layers of carbonaceous claystone, siltstone, coal and tuff. Sideritic bands are common. Bringelly Shale typically weathers to form clays of either medium or medium to high plasticity. The alluvial floodplain deposits are described as typically comprising clay, silt, and very fine to medium grained, lithic to quartz-rich sand.

The southern portion of the site (at 84-86 Menangle Road) is underlain by Bringelly shale (sandstone of the Triassic age Wianamatta Group (mapping unit 'Twib_s') which is typically comprised of fine to medium grained quartz-lithic sandstone.



Figure 3 – NSW Seamless Geological Series Mapping

4.3 Soils landscape

Reference to the Penrith 1:100 000 Soils Landscape Sheet (Bannerman & Hazelton, 2011), indicates that most of the site is underlain by residual Blacktown soils and erosional Luddenham soil.

The Blacktown soil landscape (mapping unit bt) is characterised by a topography of gently undulating rises on Wianamatta group shales and Hawkesbury formation shales, with local relief to 30 m and slopes usually less than 5%, typically represented by broad rounded crests and ridges with gently inclines slopes. The mapping indicates that the shallow to moderately deep soil horizon (< 100 cm) comprises red and brown podzolic soils on crests, upper slopes and in well-drained areas. The deeper areas of the soil horizon (150 – 300 cm) comprises yellow podzolic soils and soloths on lower slopes and in areas of poor drainage. These soils are typically of low fertility, are moderately reactive, highly plastic, and generally have poor soil drainage.



Figure 4 – Soil Landscape Features

4.4 Acid sulfate soils

Reference to the acid sulfate soils information provided by the CSIRO Australian Soil Resource Information System website (CSIRO, 2014) indicates the site is in an area mapped as having an extremely low probability of occurrence (C4 rating) of acid sulfate soils.

4.5 Surface water and groundwater

Watercourses present within or nearby to the site are shown in Figure 5 on the following page. The nearest surface water receptor is a small unnamed creek located approximately 250 m to the east of the site. The creek flows in a southwest to northeast direction and drains into the Nepean River which flows to the north.

A search of the publicly available registered groundwater bore database indicated that there are no registered groundwater bores within 1 km of the site.

Based on the regional topography and the inferred flow direction of nearby water courses, the anticipated flow direction of groundwater beneath the site is to the east, towards the unnamed creek which drains into the Nepean River, the likely receiving surface water body for the groundwater flow path.

Given the local geology (i.e. Bringelly Shale), the groundwater in the fractured rock beneath the site is anticipated to be saline and very low yield. Accordingly, there would be no significant potential beneficial uses of the groundwater.



Figure 5: Surface water courses

5. Summary of previous reports

5.1 Review of Previous Investigations

A review of the following reports, provided by Homes NSW, and reports prepared by Douglas was completed which are relevant to the current investigation:

- ContinuOne Greencap Online Risk Solutions (2021) *Hazardous Material Risk Assessment, NSW Health Camden Hospital – Cottages, 84-86 Menangle Road, Camden NSW 2570*, ContinuOne Greencap ref, C109541 : J168640 dated February 2021 (ContinuOne Greencap, 2021A);
- ContinuOne Greencap Online Risk Solutions (2021) *Hazardous Material Risk Assessment, NSW Health Camden Hospital – The Nurses Quarters, 84-86 Menangle Road, Camden NSW 2570*, ContinuOne Greencap ref, C109541 : J168640 dated February 2021 (ContinuOne Greencap, 2021B); and
- Douglas (2026) *Report on Preliminary Site Investigation, Proposed Residential Development, 70-78 & 82-86 Menangle Road, Camden NSW*, Douglas ref.239951.00.R.001.Rev1 dated 1 June 2026.

A summary of key reports is in the following subsections.

5.2 ContinuOne Greencap (2021A)

ContinuOne Greencap (2021A) was a non-destructive hazardous material risk assessment of the cottage structures (Cottage 84 & 85) at 84-86 Menangle Road and included the following as part of the completed scope:

- Inspect representative and accessible areas of the site to identify the following hazardous materials: asbestos, synthetic mineral fibre (SMF), lead paint and lead dust;
- Identify the likelihood of hazardous materials in accessible areas;
- Identify the types of hazardous materials and their condition;
- Assess the risks posed by the materials; and
- Compile a hazardous materials register for the site.

ContinuOne Greencap (2021A) identified non-friable asbestos and lead paint in both cottages (Cottage 84 & 85) on site and SMF was identified in one of the cottages (Cottage 84). Asbestos was confirmed by laboratory analysis in the fibre cement sheeting used for walls and in a down pipe moulded cement flue. Asbestos was also presumed positive in several other of the building materials used in the cottages.

5.3 ContinuOne Greencap (2021B)

ContinuOne Greencap (2021B) was a non-destructive hazardous material risk assessment of the nurses' quarters at 72 Menangle Road and included the following as part of the completed scope:

- Inspect representative and accessible areas of the site to identify the following hazardous materials: asbestos, synthetic mineral fibre (SMF, lead paint and lead dust;
- Identify the likelihood of hazardous materials in accessible areas;
- Identify the types of hazardous materials and their condition;
- Assess the risks posed by the materials; and
- Compile a hazardous materials register for the site.

ContinuOne Greencap (2021B) identified friable, non-friable asbestos, lead paint, SMF and PCBs in the structure on site. Asbestos was confirmed by laboratory analysis in the vinyl tile and adhesives in wall coverings, fibre cement sheeting used for infill panels and in the laundry ceiling. Asbestos was also presumed positive in several other of the building materials used in the nurses' quarters. PCBs were presumed positive in the capacitors of various fluorescent light fittings observed throughout the structure.

5.4 Douglas (2026)

In June 2026, Douglas completed a report on PSI for the site to assess the potential for contamination at the site based on past and present land uses and to comment on the need for further investigation and/or management with regard to the proposed development.

A desktop review of site history information and a site walkover was undertaken to identify potential areas of environmental concern (PAEC) and related contaminants of potential concern (CoPC) which may arise from previous and current land uses. The desktop investigation comprised review of published mapping, groundwater bores registered with the NSW Office of Water on or adjacent the site, aerial photography, the NSW Environment Protection Authority (EPA) public and planning registers, and current and historic title deeds.

A Site Search for Schedule 11 Hazardous Chemicals on Premises application was lodged with SafeWork NSW on 3 February 2026, and a request was made on 3 February 2026 to Camden Council for the release of any Council information of relevance to the site under the Government Information (Public Access) Act 2009 (GIPA). Council has advised that they do not have any information regarding contamination or contaminating activities for the site.

The results of the PSI site history investigation identified that the site was historically used for rural land-use purposes, likely for grazing since at least 1947. A large residential unit block was constructed on the property at 72 Menangle Road and residential dwellings were constructed on the properties at 82-86 Menangle Road sometime between 1956 and 1969. The subject site has remained relatively unchanged since at least 1969 and appears to have been used for residential purposes and/or health services associated with the nearby Camden Hospital located to the northwest of the site.

The following PAEC and potential sources of contamination were identified from the PSI desktop investigation and site walkover:

- **PAEC1** - Potential for contamination of soils across the site, as the result of potential importation of fill material associated with levelling, bulk earthworks and construction of buildings, garden beds, and general ground disturbances observed in aerial photographs;
- **PAEC2** - Former structures, residential unit block and dwellings/associated current structures; and
- **PAEC3** - Potential for contamination of surface soils, as a result of fly-tipped refuse material.

Several fragments of potential asbestos containing material (PACM) were observed on the ground surface during the site walkover beneath and in the immediate vicinity of the three residential dwellings on 82- 86 Menangle Road. Given the findings of the hazardous building materials reports provided for these dwellings, it was considered likely that several of these fragments contain asbestos. Notwithstanding this, the PSI recommended that representative samples should be collected and tested to confirm the presence of asbestos. If asbestos is identified within the fragments, surface soils within the building footprints will require remediation for the site to be suitable for residential use.

The PSI concluded that following demolition, further intrusive soil investigations, including asbestos assessment, will be necessary beneath the buildings. The PSI also concluded that a DSI is required to be completed to determine the extent of any contamination from identified potential sources and to investigate whether other contamination sources are present.

6. Preliminary conceptual site model

A conceptual site model (CSM) is a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The CSM provides the framework for identifying how the site became contaminated and how potential receptors may be exposed to contamination either in the present or the future i.e. it enables an assessment of the potential source – pathway – receptor linkages (complete pathways).

Based on the previous reports, the following potential sources of contamination and associated contaminants of potential concern (CoPC) have been identified and summarised in Table .2

Table 2: Summary of potential sources

Potential sources and associated CoPC
S1: Fill: Associated with levelling and potential burying of waste CoPC: - Metals – arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc - Per and polyfluoroalkyl substances (PFAS) - Total recoverable hydrocarbons (TRH); - Benzene, toluene, ethylbenzene and xylene (BTEX); - Polycyclic aromatic hydrocarbons (PAH); - Polychlorinated biphenyls (PCB); - Organochlorine pesticides (OCP); - Phenols; and - Asbestos S2: Former structures, residential unit block and dwellings / associated current structures - residential dwellings are located within the site and historical aerial photographs identified several shed structures on the properties which have now been demolished. Demolition and alterations to these buildings, including degradation of paints and renovations, may lead to hazardous materials being present within the near surface soils surrounding the building footprints. The site inspection identified fragments of potential asbestos containing material on the ground surface beneath and in the immediate vicinity of the three residential dwellings located at 82 to 86 Menangle Road. CoPC: Metals, TRH, BTEX, PAH, OCP, OPP, PCB and asbestos, synthetic mineral fibres (SMF), lead (in paint) and PCB S3: Potential fly tipping/illegal dumping. Given the site's relatively open accessibility, there is potential for fly tipping/illegal dumping to have occurred CoPC: Metals, PFAS, TRH, BTEX, PAH, PCB, OCP, phenols and asbestos

The following potential human and environmental receptors, along with relevant potential pathways, have been identified and summarised in Table .

Table 3: Summary of potential receptors and pathways

Potential human receptors
HR1: Current users [Property on 82 Menangle Road previously used as an office of administration. All properties are currently unoccupied] HR2: Construction and maintenance workers HR3: End users [residential land use] HR4: Adjacent site users [residential land use]
Potential environmental receptors
ER1: Surface water [Unnamed creek located approximately 250 m east of the site which drains to the Nepean River; likely to be freshwater] ER2: Groundwater ER3: Terrestrial ecosystems

Potential pathways to human receptors
HP1: Ingestion and dermal contact HP2: Inhalation
Potential pathways to environmental receptors
EP1: Surface water run-off EP2: Leaching of contaminants and vertical migration into groundwater EP3: Lateral migration of groundwater EP4: Inhalation, ingestion and absorption

Summary of potentially complete exposure pathways

A 'source–pathway–receptor' approach has been used to assess the potential risks of harm being caused to human or environmental receptors from contamination sources on or in the vicinity of the site, via exposure pathways (potential complete pathways). The possible pathways between the above sources (S1 to S3) and receptors are provided in below Table 4.

Table 4: Summary of potentially complete exposure pathways

Source and CoPC	Exposure pathway	Receptor	Risk management action
S1: Fill: CoPC: metals, PFAS, TRH, BTEX, PAH, PCB, OCP, phenols and asbestos S2: Former structures, residential unit block and dwellings / associated current structures: CoPC: Metals, TRH, BTEX, PAH, OCP, OPP, PCB and asbestos, synthetic mineral fibres (SMF), lead (in paint) and PCB S3: Potential fly tipping/illegal dumping CoPC: Metals, PFAS, TRH, BTEX, PAH, PCB, OCP, phenols and asbestos	HP1: Ingestion and dermal contact HP2: Inhalation	HR1: Current users [Property on 82 Menangle Road previously used as an office of administration. All properties are currently unoccupied] HR2: Construction and maintenance workers HR3: End users [residential land use] HR4: Adjacent site users [residential land use]	Given the identified potential contaminant sources, the initial fate (lay down mechanism) of most of the potential contaminants is likely to be expressed firstly in surface and fill soils. An intrusive investigation is recommended to assess possible contamination including testing of the soils. (A further assessment of deeper soils, soil vapour and/or groundwater may be deemed necessary should significant contamination be identified in surface soils or data gaps be identified).
	EP1: Surface water run-off EP3: Lateral migration of groundwater	ER1: Surface water	
	EP2: Leaching of contaminants and vertical migration into groundwater	ER2: Groundwater	
	EP4: Inhalation, ingestion and absorption	ER3: Terrestrial ecosystems	

7. Sampling and analysis plan

7.1 Data quality objectives

The DSI was devised with reference to the seven-step data quality objectives (DQO) process which is provided in Appendix B Schedule B2, NEPC (2013). The data quality objective process is outlined in Appendix C.

7.2 Soil sampling and analysis rationale

Based on the CSM and data quality objectives (DQO), a broadly based soil sampling strategy was adopted which included boreholes and test pits positioned at broadly spaced locations across the accessible areas of the site. Borehole/test pit locations are shown on Drawing 2, in Appendix A.

Table 2 of NSW EPA (2022) recommends a minimum of 17 sampling points for a site of 0.73 ha for site characterisation based on the detection of circular hot spots using a systemic grid sampling pattern. A total of 18 test locations, including 10 boreholes (BH101 to BH110) and eight test (TP1 to TP8) pits were therefore positioned across accessible areas of the site, excluding the footprints of the two existing buildings due to access constraints.

Some test locations were locally adjusted so that they were located closer to the identified potential point sources including the following:

Test pits: TP1 to TP3 Boreholes: BH101 to BH103	In the vicinity of the current carpark on 72 Menangle Road which appeared to be constructed sometime between 1947 and 1956
Test pits: TP3 and TP4	Within areas of fill on the western side of the former nurses' quarters on 72 Menangle Road.
Test pit: TP6	Nearby to a drainage channel that was identified in the 1956 aerial image and appeared to have been subsequently filled
Test pits: TP6 to TP8 Boreholes: BH106, BH109 and BH110	In the vicinity of former shed structures in the eastern portions of the properties at 82 to 86 Menangle Road
Test pit: TP5 Boreholes: BH106, BH108 and BH109	In the vicinity of current residential structures on properties at 82 to 86 Menangle Road suspected of containing ACM

Soil samples were collected from each borehole or test pit at depths of approximately 0.2 m, 0.5 m, 1.0 m and every 0.5 m thereafter, and changes in lithology or signs of contamination.

The general sampling methods are described in the field work methodology in Appendix D.

Laboratory analysis was completed on selected soil samples based on field observations for CoPC identified in the CSM including metals, total PAH, TRH, BTEX, OCP, OPP, PCB, PFAS, asbestos (500 ml quantitative analysis), volatile organic compounds (VOC), and phenols. Selected samples were also analysed for physico chemical characteristics including pH and cation exchange capacity (CEC) to derive appropriate ecological investigation levels (EILs).

In addition, three fragments (ACM 1 to ACM 3) of potential asbestos containing material (PACM) were collected from surface soil in the vicinity of the residential building structures on the properties at 82 to 86 Menangle Road. The fragments of PACM were submitted to laboratory for asbestos identification.

8. Site assessment criteria

The site assessment criteria (SAC) applied in the current investigation are informed by the CSM (Section 6) which identified human and environmental receptors to potential contamination on the site. Analytical results are assessed (as a Tier 1 assessment) against the SAC comprising primarily the investigation and screening levels of Schedule B1 of NEPC (2013). For the assessment of PFAS in soil, the SAC were adopted from the Heads of Environmental Protection Authorities Australia and New Zealand (HEPA) *PFAS National Environmental Management Plan Version 3.0 (NEMP 3.0)*.

The investigation and screening levels applied in the current investigation comprise levels adopted for a generic residential land use scenario. The derivation of the SAC is in Appendix E, and the adopted SAC are listed on the summary analytical results tables in Appendix F.

9. Results

9.1 Field work results

The borehole and test pit logs for this assessment are provided in Appendix G. Photographs of the fieldwork are provided in Appendix H. The logs recorded the following general sub-surface profile:

- Fill/topsoil: Silty clay, dark brown with trace gravel and rootlets at most locations to depths of between 0.2 m and 0.35 m bgl.
- Fill: Generally comprising silty clay or gravelly sand, brown with trace gravel in test pits TP2, TP3, TP4 and boreholes 103, 104, 105, 106, 107, 110 to depths of between 0.5 m and 1.3 m bgl
- Silty Clay: Silty clay, brown in test pits TP1, TP3, TP4, TP5, TP6, TP7, TP8 and boreholes 101, 102, 103, 105, 106, 107, 109 and 110 to depths of between 1.0 m and 3.0 mbgl.
- Sandy Clay: Sandy clay, pale brown in boreholes 104 and 108 to depths of between 0.7 m and 1.1 m bgl;
- Sandstone: Sandstone in test pit TP2 (refusal on sandstone at 0.5 m bgl) and boreholes BH104, BH108 from between 0.5 m to 1.1 m bgl to borehole termination in BH104 (at 1.5 m bgl) and BH108 (at 1.1 m bgl).

- Shale: Shale, grey in remaining test pits and boreholes from depths of between 1.3 m to 3.0 m bgl to termination (maximum termination depth of 3.5 m bg)

Several fragments of asbestos containing material (ACM) were observed on the ground surface during the site walkover beneath and in the immediate vicinity of the three residential dwellings on 82- 86 Menangle Road. Laboratory analysis (as discussed in Section 9.2) of three of the ACM fragments (ACM1 to ACM3) collected confirmed the presence of asbestos within the samples.

With the exception of ACM in the vicinity of the three residential dwellings (on 82- 86 Menangle Road), no visual or olfactory evidence (e.g. staining, odours, free phase product) was observed during the investigations to suggest the presence of contamination within the soils at the site.

No free groundwater was observed during the excavation of test pits or drilling of boreholes. It should be noted that groundwater levels are affected by climatic conditions and soil permeability and will therefore vary with time.

9.2 Laboratory analytical results

The analytical results for the soil samples collected during this DSI are summarised in Table F1 in Appendix F, together with the adopted SAC. The laboratory certificates of analysis for this DSI are provided in Appendix I.

Asbestos

Asbestos was confirmed by the laboratory in the following fragments of ACM collected:

- ACM1 – Chrysotile and amosite asbestos confirmed in the sample;
- ACM2 - Chrysotile asbestos confirmed in the sample; and
- ACM3 - Chrysotile and amosite asbestos confirmed in the sample.

A small fragment of bonded ACM with a mass of 0.8334 grams was also identified in the 500 ml sample collected from BH102 at a depth of 0 – 0.1 m bgl.

Remaining COPC

Remaining COPC were not detected at concentrations exceeding the adopted SAC in the selected soil samples analysed.

9.3 Data quality assurance and quality control

The data quality assurance and quality control (QA/QC) results are provided in Appendix J. Based on the results of the field QA and field and laboratory QC, and evaluation against the data quality indicators (DQI) it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

10. Discussion

10.1 Asbestos in soils

Several fragments of bonded ACM were observed on the ground surface during the PSI site walkover beneath and in the immediate vicinity of the three residential dwellings on 82- 86 Menangle Road. Laboratory analysis of three of the fragments collected during this DSI confirmed the presence of asbestos. In addition, a small fragment of bonded ACM was identified in the 500 ml sample collected from BH102 at a depth of 0 – 0.1 m bgl. Given the detections of asbestos within surface soil in the vicinity of the residential dwellings and at BH102, surface soils, will at a minimum, in the vicinity of these locations (the building footprints and at BH102) require remediation for the site to be suitable for residential use. Further intrusive soil investigations, including an asbestos assessment, will be also necessary beneath the buildings following demolition of the structures to assess the extent (lateral and vertical) extent of asbestos impact and the % weight/weight in fill.

In addition, it should also be noted that boreholes were used at 10 (out of a total of 18) of the intrusive sampling locations due to site access limitations. Test pits are generally recommended over boreholes, particularly for asbestos investigation, as test pits allow for differing strata to be more effectively identified. Therefore, the use of boreholes at 10 of the locations provides a lower confidence with the identification of asbestos and or wider spread asbestos impact.

11. Revised conceptual site model

The data collected for this DSI has generally confirmed that certain potential contaminant sources outlined in the CSM outlined in Section 6 pose a potentially complete pathway to the identified receptor(s) whilst others do not. No other sources of contamination have been identified as a result of the testing results. This is summarised in Table 5.

Table 5: Updated summary of potentially complete exposure pathways (proposed land use)

Source and CoPC	Exposure pathway	Receptor	Risk management action
S1: Fill: CoPC: metals, PFAS, TRH, BTEX, PAH, PCB, OCP, phenols and asbestos S2: Former structures, residential unit block and dwellings / associated current structures: CoPC: Metals, TRH, BTEX, PAH, OCP, OPP, PCB and asbestos, synthetic mineral fibres (SMF), lead (in paint) and PCB	HP1: Ingestion and dermal contact HP2: Inhalation	HR1: Current users [Property on 82 Menangle Road currently being used by Department of Health as an office of administration. The other properties are currently unoccupied] HR2: Construction and maintenance workers	Given the identified impact to surface soil from asbestos (in bonded form) in the vicinity of the residential dwellings at 82- 86 Menangle Road and at BH102, surface soil in these areas will, at a minimum require remediation/management for the site to be considered suitable for the proposed land use.

Source and CoPC	Exposure pathway	Receptor	Risk management action
S3: Potential fly tipping/illegal dumping CoPC: Metals, PFAS, TRH, BTEX, PAH, PCB, OCP, phenols and asbestos		HR3: End users [residential land use] HR4: Adjacent site users [residential land use]	Given that testing has been limited in the immediate vicinity of the site's structures and no testing has been completed within the building footprints, further intrusive soil investigations, including an asbestos assessment, will be also necessary beneath the buildings following demolition of the structures to assess the lateral and vertical extent of asbestos impact and the % weight / weight in fill. (A further assessment of deeper soils, soil vapour and/or groundwater may be deemed necessary should significant contamination be identified in surface soils or data gaps be identified).
	EP1: Surface water run-off EP3: Lateral migration of groundwater	ER1: Surface water	
	EP2: Leaching of contaminants and vertical migration into groundwater	ER2: Groundwater	
	EP4: Inhalation, ingestion and absorption	ER3: Terrestrial ecosystems	

12. Conclusions and recommendations

The results of the previous PSI, completed by Douglas in March 2026, identified the following potential sources of contamination for soils at the site:

- Importation of fill associated with levelling and potential burying of waste;
- Former structures, residential dwellings and associated current structures; and
- Potential fly-tipping/storage of refuse/building material.

As a part of this DSI, soil sampling was completed at 10 boreholes and eight test pits completed at broadly spaced locations in exterior areas of the site, targeting potential sources of contamination and background areas. Soil samples were sent for analysis of CoPC commonly associated with the identified potential sources of contamination.

The results of fieldwork and laboratory analysis identified asbestos impacted to surface soil in the vicinity of the three residential dwellings on 82- 86 Menangle Road, and at borehole BH102 completed in the northern portion of the site, that will require either remediation and/or management for the site to be considered suitable for the proposed residential land use. It is noted that boreholes have a low confidence of detecting asbestos and further intrusive soil investigations, including an asbestos assessment, will be also necessary beneath the buildings on 82- 86 Menangle Road following demolition of the structures and at BH102 to assess the lateral

and vertical extent of asbestos impact and the % weight/weight in fill. Further intrusive investigations of soil should also be completed within the footprint of the former nurses' quarters at 72 Menangle Road following demolition.

The preparation of a remediation action plan (RAP) will be required to detail the remediation, validation and further investigation requirements for the asbestos impacted surface soil in the vicinity of the dwellings at 82- 86 Menangle Road and at borehole BH102 in the northern portion of the site to render the site suitable for the proposed land use. The RAP should also include an unexpected finds protocol to provide a formal contingency to be followed in the event of an unexpected find with respect to potential site contamination issues encountered during future bulk earthworks.

Based on the above, the site will be/can be made suitable following remediation and management in accordance with the RAP.

13. References

CRC CARE. (2017). *Risk-based Management and Remediation Guidance for Benzo(a)pyrene*. Technical Report no. 39: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

NSW EPA. (2020). *Guidelines for Consultants Reporting on Contaminated Land*. Contaminated Land Guidelines: NSW Environment Protection Authority.

NSW EPA. (2022). *Contaminated Sites, Sampling Design Guidelines*. NSW Environment Protection Authority.

14. Limitations

Douglas Partners Pty Ltd (Douglas) has prepared this report for this project at 72 & 82-86 Menangle Road, Camden NSW in line with Douglas' proposal dated 10/12/2025 and acceptance received from Sarah Noordhuis of Homes NSW dated 23 January 2026. The work was carried out under Homes NSW Infrastructure Advisory Services Contract – Short Form. This report is provided for the exclusive use of Homes NSW 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.

Appendix A

Drawings



REV	PSI	DATE	DRAWN BY	 Douglas PARTNERS OFFICE: MACARTHUR 18 Waler Crescent, Smeaton Grange NSW 2567 (02) 4647 0075	CLIENT: Homes NSW	NOTE: 1: Basemap from MetroMap (Dated 30.09.2025)	PROJECT NAME: Proposed Redevelopment	SITE LOCATION AND LAYOUT	PROJECT NO: 239951.00	
0		23.06.2026	AJP							DRAWING NO: 1
COORDINATE REFERENCE SYSTEM: GDA2020, MGA ZONE56										
						SCALE:  1:1000 A3				PROJECT ADDRESS: 72 & 82-86 Menangle Road, Camden NSW



REV	PSI	DATE	DRAWN BY	 Douglas PARTNERS OFFICE: MACARTHUR 18 Waler Crescent, Smeaton Grange NSW 2567 (02) 4647 0075	CLIENT: Homes NSW	NOTE:	PROJECT NAME:	DRAWING TITLE: Sample Location Map	PROJECT NO:
0		23.06.2026	AJP			1: Basemap from MetroMap (Dated 30.09.2025)	Proposed Redevelopment		239951.00
COORDINATE REFERENCE SYSTEM: GDA2020, MGA ZONE56						SCALE:	PROJECT ADDRESS: 72 & 82-86 Menangle Road, Camden NSW		DRAWING NO: 2
							REVISION: 0		

Appendix B

About this Report

Introduction

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

Douglas' 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.

Copyright

This report is the property of Douglas Partners Pty Ltd. The report may only be used for the purpose for which it was commissioned and in accordance with the Engagement Terms for the commission supplied at the time of proposal. Unauthorised use of this report in any form whatsoever is prohibited.

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, Douglas 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, Douglas 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, Douglas will be pleased to assist with investigations or advice to resolve the matter.

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, Douglas 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. Douglas 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.

intentionally blank

Appendix C

Data Quality Objectives

1. Data quality objectives

The DSI has been devised broadly in accordance with the seven-step data quality objectives (DQO) process which is provided in Appendix B, Schedule B2 of NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013).

Table 1: Data quality objectives

Step	Summary
1: State the problem	The objective of the investigation is to assess the contamination status of the site with respect to the proposed land use. The investigation is being undertaken as the site is to be redeveloped for residential land use. The requirements of the regulator, Camden Council, will also be considered by consulting their Development Control Plan (DCP), Local Environment Plan (LEP) and any other requirements based on our recent experience with Council on similar sites. A preliminary conceptual site model (CSM) has been prepared (Section 6) for the proposed development. The project team consist of experienced environmental engineers and scientists working in the roles of Project Principal, Project Reviewer, Project Manager and field staff. It is noted that due to the presence of current buildings onsite, the assessment was limited to accessible exterior areas of the site and intrusive investigations could not be completed within building footprints.
2: Identify the decisions / goal of the study	The site history has identified possible contaminating previous uses which are identified in the CSM (Section 6). The CSM identifies the associated contaminants of potential concern (CoPC) and the likely impacted media. The site assessment criteria (SAC) for each of the CoPC are detailed in Appendix E. The decision is to establish whether or not the results fall below the SAC or whether or not the 95% upper confidence limit of the arithmetic mean of the sample population falls below the SAC. On this basis, an assessment of the site's suitability from a contamination perspective will be derived and a decision made on whether (or not) further assessment and / or remediation will be required.
3: Identify the information inputs	Inputs will be the analytical results for the CoPC and media (identified in the CSM, Section 6) from NATA accredited laboratories and methods, where possible. The SAC for each of the CoPC are detailed in Appendix E.
4: Define the study boundaries	The lateral boundaries of the investigation area are shown on Drawing 1, Appendix A. The vertical boundaries are to the extent of contamination impact as determined from the site history assessment and site observations. The assessment is limited to the timeframe over which the field works were undertaken. Constraints to the assessment are identified and discussed in the conclusions of the report, Section 12.

Step	Summary
5: Develop the analytical approach (or decision rule)	The decision rule is to compare all analytical results with the SAC (Appendix E, based on NEPC (2013)). Where guideline values are absent, other sources of guideline values accepted by NEPC (2013) shall be adopted where available and warranted. Where a sample result exceeds the adopted criterion, a further qualitative site-specific assessment will be made as to the risk posed by the presence of that contaminant(s). Initial comparisons will be with individual results then, where appropriate, summary statistics (including mean, standard deviation and 95% upper confidence limit (UCL) of the arithmetic mean (95% UCL)) to further assess potential risks posed by the site contamination. Quality control results are to be assessed according to their relative percent difference (RPD) values. For field duplicates, triplicates and laboratory results, RPD values should generally be below 30%; for field blanks and rinsates, results should be at or less than the limits of reporting (NEPC, 2013). The field and laboratory quality assurance assessment is included in Appendix J.
6: Specify the performance or acceptance criteria	Baseline condition: Contaminants at the site and/or statistical analysis of data (in line with NEPC (2013)) exceed the human health and environmental SAC and pose a potentially unacceptable risk to receptors (null hypothesis). Alternative condition: Contaminants at the site and statistical analysis of data (in line with NEPC (2013)) comply with the human health and environmental SAC and therefore, do not pose a potentially unacceptable risk to receptors (alternative hypothesis). Unless conclusive information from the collected data is sufficient to reject the null hypothesis, it will be assumed that the baseline condition is true. Uncertainty that may exist due to the above potential decision errors shall be mitigated as follows: - As well as a primary screening exercise, the use of the 95% UCL as per NEPC (2013) may be applied, i.e. 95% is the defined confidence level associated with the UCL on the geometric mean for contaminant data. The resultant 95% UCL shall subsequently be screened against the corresponding SAC. - The statistical assessment will only be able to be applied to certain data-sets, such as those obtained via systematic sampling. Identification of areas for targeted sampling will be via professional judgement and errors will not be able to have a probability assigned to them. - Interpreting results with reference to the CSM, field observations and known data gaps.
7: Optimise the design for obtaining data	As the purpose of the investigation is to assess the contamination status of the site, the sampling program is reliant on professional judgement to identify and sample the potentially affected areas.

Step	Summary
	Further details regarding the sampling plan are in Section 7.

2. References

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

Appendix D

Fieldwork Methodology

1. Guidelines

The following key guidelines were consulted for the field work methodology:

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013).
- HEPA *PFAS National Environmental Management Plan (NEMP)* (HEPA, 2020).

2. Soil sampling

Soil sampling is carried out in accordance with Douglas' standard operating procedures. The general sampling and sample management procedures comprise:

- Collect soil samples directly from the solid flight auger or from the bucket of the excavator. Samples were collected taking care to not include soil that was directly in contact with either the surface of the auger or the bucket;
- Transfer samples in laboratory-prepared glass jars with Teflon lined lids by hand, capping immediately and minimising headspace within the sample jar;
- Collect replicate samples in zip-lock bags for photoionisation detector (PID) screening;
- Collect ~500 ml samples for fibrous asbestos and asbestos fines (FA and AF) analysis;
- Collect bulk (~10 L) soil samples for bonded asbestos containing material (ACM) field sieve test;
- Wear a new disposable nitrile glove for each sample point thereby minimising potential for cross-contamination;
- Collect 10% replicate samples for quality control (QC) purposes;
- Label sample containers with individual and unique identification details, including project number, sample location and sample depth (where applicable);
- Place samples into a cooled, insulated and sealed container for transport to the laboratory; and
- Use chain of custody documentation.

Reference was made to HEPA (2020) for requirements specific to PFAS.

3. References

ASTM D7663-12. (2018). *Standard Practice for Active Soil Gas Sampling in the Vadose Zone for Vapour Intrusion Evaluations*. 2018 e1 (editorial change to 2012 revision); American Society for Testing and Materials.

HEPA. (2020). *PFAS National Environmental Management Plan (NEMP)*. Version 2.0: Heads of EPAs Australia and New Zealand and Australian Government Department of the Environment.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

NSW EPA. (2020). *Assessment and Management of Hazardous Ground Gases*. NSW Environment Protection Authority.

USEPA. (1999a). *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. Second Edition: United States Environment Protection Agency.

USEPA. (1999b). *Compendium Method TO-15 Determination of Volatile Organic Compounds (VOCs) In Air Collected in Specially-Prepared Canisters and Analysed By Gas Chromatography Mass Spectrometry (GC/MS)*. United States Environment Protection Agency.

Appendix E

Site Assessment Criteria

1. Introduction

1.1 Guidelines

The following key guidelines were consulted for deriving the site assessment criteria (SAC):

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [the 'NEPM']* (NEPC, 2013);
- CRC CARE *Health screening levels for petroleum hydrocarbons in soil and groundwater* (CRC CARE, 2011); and
- HEPA *PFAS National Environmental Management Plan (the 'NEMP')* (HEPA, 2025);

1.2 General

The SAC applied in the current investigation are informed by the conceptual site model (CSM) which identified human and environmental receptors to potential contamination at the site. Analytical results are assessed (as a Tier 1 assessment) against the SAC comprising primarily the investigation and screening levels of Schedule B1 of NEPC (2013).

The following inputs are relevant to the selection and/or derivation of the SAC:

- Land use: Residential; and
 - Corresponding to land use category 'A', residential with garden/accessible soil (home grown produce <10% fruit and vegetable intake, (no poultry)), also includes children's day care centres, preschools and primary schools.
- Soil type: clay.

2. Soils

2.1 Health investigation and screening levels

The generic health investigation levels (HIL) and health screening levels (HSL) are considered to be appropriate for the assessment of human health risk via all relevant pathways of exposure associated with contamination at the site. The adopted soil HIL and HSL for the contaminants of concern are presented in Table 1 and Table 2.

Table 1: Health investigation levels (mg/kg)

Contaminant	HIL-A
Metals	
Arsenic	100
Cadmium	20
Chromium (VI)	100
Copper	6000

Contaminant	HIL-A
Lead	300
Mercury (inorganic)	40
Nickel	400
Zinc	7400
PAH	
B(a)P TEQ	3
Total PAH	300
Phenols	
Phenol	3000
Pentachlorophenol	100
OCP	
DDT+DDE+DDD	240
Aldrin and dieldrin	6
Chlordane	50
Endosulfan	270
Endrin	10
Heptachlor	6
HCB	10
Methoxychlor	300
OPP	
Chlorpyrifos	160
PCB	
PCB	1

Table 2: Health screening levels (mg/kg)

Contaminant	HSL-A&B	HSL-A&B	HSL-A&B	HSL-A&B
CLAY	0 m to <1 m	1 m to <2 m	2 m to <4 m	4 m+
Benzene	0.7	1	2	3
Toluene	480	NL	NL	NL
Ethylbenzene	NL	NL	NL	NL
Xylenes	110	310	NL	NL
Naphthalene	5	NL	NL	NL
TRH F1	50	90	150	290
TRH F2	280	NL	NL	NL

Notes: TRH F1 is TRH C₆-C₁₀ minus BTEX

TRH F2 is TRH >C₁₀-C₁₆ minus naphthalene

The soil saturation concentration (C_{sat}) is defined as the soil concentration at which the porewater phase cannot dissolve any more of an individual chemical. The soil vapour that is in equilibrium with the porewater will be at its maximum. If the derived soil HSL exceeds C_{sat}, a soil vapour source concentration for a petroleum mixture could not exceed a level that would result in the maximum allowable vapour risk for the given scenario. For these scenarios, no HSL is presented for these chemicals and the HSL is shown as 'not limiting' or 'NL'

The HSL for direct contact derived from CRC CARE (2011) are presented in Table 3.

Table 3: Health screening levels for direct contact (mg/kg)

Contaminant	DC HSL-A	DC HSL-IMW
Benzene	100	1100
Toluene	14 000	120 000
Ethylbenzene	4500	85 000
Xylenes	12 000	130 000
Naphthalene	1400	29 000
TRH F1	4400	82 000
TRH F2	3300	62 000
TRH F3	4500	85 000
TRH F4	6300	120 000

Notes: TRH F1 is TRH C₆-C₁₀ minus BTEX

TRH F2 is TRH >C₁₀-C₁₆ minus naphthalene

IMW intrusive maintenance worker

2.2 Health investigation levels for per- and poly-fluoroalkyl substances in soil

The laboratory analytical results for per- and poly-fluoroalkyl substances (PFAS) in soil have been assessed against HIL published in HEPA (2025). The HIL represent a nationally-agreed suite that should be used to inform site investigations. The HIL are intentionally conservative, and an exceedance of these criteria may not constitute a risk if other exposure pathways are controlled.

An exceedance of the HIL should trigger further investigations, such as a site-specific risk assessment. At the time of this investigation, screening values were available only for perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA) and perfluorohexane sulfonate (PFHxS).

The HIL derived from Table 5 of HEPA (2025) are presented below in Table 4.

Table 4: Health investigation levels (mg/kg)

Contaminant	HIL-A
PFOS and PFHxS *	0.003
PFOA	0.06

Notes: * Includes PFOS only, PFHxS only and the sum of the two.

2.3 Asbestos in soil

The HSL for asbestos in soil are based on likely exposure levels for different scenarios published in NEPC (2013) for the following forms of asbestos:

- Bonded asbestos containing material (ACM); and
- Fibrous asbestos and asbestos fines (FA and AF).

The HSL are presented in Table 5.

Table 5: Health screening levels for asbestos

Form of asbestos	HSL-A	HSL-B
ACM	0.01%	0.04%
FA and AF	0.001%	0.001%
FA and AF and ACM	No visible asbestos for surface soil *	No visible asbestos for surface soil *

Notes: Surface soils defined as top 10 cm.

* Based on site observations at the sampling points and the analytical results of surface samples.

Where insufficient sample recovery is possible for FA and AF analysis the presence or absence of asbestos at a limit of reporting of 0.1 g/kg (AS:4964) will be adopted for the assessment as an initial screen.

2.4 Ecological investigation levels

Ecological investigation levels (EIL) and added contaminant limits (ACL), where appropriate, have been derived in NEPC (2013) for arsenic, copper, chromium (III), nickel, lead, zinc, DDT and naphthalene. The adopted EIL, derived using the interactive (excel) calculation spreadsheet on the NEPM toolbox website, are shown in Table 7, with inputs into their derivation shown in Table 6.

Table 6: Inputs to the derivation of the ecological investigation levels

Variable	Input	Rationale
Age of contaminants	"Aged" (>2 years)	Given the potential sources of soil contamination are from historical land use, the contamination is considered as "aged" (>2 years).
pH	7.4	Three selected samples were tested during the DSI for pH. The average pH value has been used as an initial screening value.
CEC	83 cmol _c /kg	Three selected samples were tested during the DSI for CEC. The average CEC value has been used as an initial screening value.
Clay content	10 %	Conservative value for initial screen
Traffic volumes	low	The site is considered to be located within a low traffic area
State/Territory	NSW	

Table 7: Ecological investigation levels (mg/kg)

Contaminant	EIL-A-B-C
Metals	
Arsenic	100
Copper	260
Nickel	700
Chromium III	410
Lead	1100
Zinc	1300
PAH	
Naphthalene	170
OCP	
DDT	180

Notes: EIL-A-B-C urban residential and public open space

2.5 Ecological screening levels

Ecological screening levels (ESL) are used to assess the risk of selected petroleum hydrocarbon compounds, BTEX and benzo(a)pyrene to terrestrial ecosystems. The adopted ESL are shown in Table 8.

Table 8: Ecological screening levels (mg/kg)

Contaminant	Soil type	ESL-A-B-C
Benzene	Fine	65
Toluene	Fine	105
Ethylbenzene	Fine	125
Xylenes	Fine	45
TRH F1	Coarse/Fine	180*
TRH F2	Coarse/Fine	120*
TRH F3	Fine	1300
TRH F4	Fine	5600
B(a)P	Fine	0.7

Notes: ESL are of low reliability except where indicated by * which indicates that the ESL is of moderate reliability
 TRH F1 is TRH C₆-C₁₀ minus BTEX
 TRH F2 is TRH >C₁₀-C₁₆ including naphthalene
 ESL-A-B-C urban residential and public open space

2.6 Ecological soil guideline values

The interim ecological soil guideline values (EGV) derived from Table 6 of HEPA (2025) are presented in Table 9.

Table 9: Ecological soil guideline values (mg/kg) – all land uses

Contaminant	Direct exposure	Indirect exposure
PFOS	1	0.003
PFOA	10/0.005	0.003
PFHxS	NC	NC

Notes: NC no criterion

*For intensely developed sites with no secondary consumers and minimal potential for indirect ecological exposure, a higher criterion of up to 0.14 mg/kg PFOS may be appropriate.

2.7 Management limits

In addition to appropriate consideration and application of the HSL and ESL, there are additional considerations which reflect the nature and properties of petroleum hydrocarbons, including:

- Formation of observable light non-aqueous phase liquids (LNAPL);
- Fire and explosion hazards; and
- Effects on buried infrastructure e.g. penetration of, or damage to, in-ground services.

The adopted management limits are in Table 10.

Table 10: Management limits (mg/kg)

Contaminant	Soil type	ML-A-B-C
TRH F1	Fine	800
TRH F2	Fine	1000
TRH F3	Fine	3500
TRH F4	Fine	10 000

Notes: TRH F1 is TRH C₆-C₁₀ including BTEX
TRH F2 is TRH >C₁₀-C₁₆ including naphthalene
ML-A-B-C residential, parkland and public open space

3. References

CRC CARE. (2011). *Health screening levels for petroleum hydrocarbons in soil and groundwater*. Parts 1 to 3, Technical Report No. 10: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

HEPA. (2025). *PFAS National Environmental Management Plan (NEMP)*. Version 3.0: Heads of EPAs Australia and New Zealand.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

Appendix F

Laboratory Summary Table F1

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description	Metals									TRH (NEPM 2013)							BTEXN (all)			
				Arsenic	Cadmium	Chromium (Total)	Copper	Lead	Lead	Lead	Mercury	Nickel	Zinc	TRH C6-Cl0	TRH >Cl0-Cl6	TRH F1 (C6-Cl0 minus BTEX)	TRH F2 (>Cl0-Cl6 minus naphthalene)	TRH F3 (>Cl6-C34)	TRH F4 (>C34-C40)	Benzene	Toluene	Ethylbenzene	Xylene (o)
Units				mg/kg	mg/kg	mg/kg	mg/kg	% w/w	mg/kg	µg/swa	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				4	0.4	1	1	0.005	1	1	0.1	1	1	25	50	25	50	100	100	0.2	0.5	1	1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	50	280	-	-	0.7	480	NL	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	90	NL	-	-	1	NL	NL	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	150	NL	-	-	2	NL	NL	-
EIL, Urban residential & public open space				100	-	-	260	-	1,100	-	-	700	1,300	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	120	180	-	1,300	5,600	65	105	125	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	700	1,000	-	-	2,500	10,000	-	-	-	-
ACM1		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM2		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM3		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/260219		19/02/26		9	< 0.4	12	29	-	37	-	< 0.1	19	98	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP7@0-0.1	0.1m	19/02/26		9	< 0.4	13	29	-	29	-	< 0.1	19	79	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BD3/260219		19/02/26		8	< 0.4	13	23	-	34	-	< 0.1	16	54	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP5@0-0.1	0.1m	19/02/26		8	< 0.4	13	23	-	32	-	< 0.1	16	54	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH101@0-0.1	0.1m	19/02/26		9	< 0.4	12	35	-	45	-	< 0.1	21	120	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102@0-0.1	0.1m	19/02/26		8	< 0.4	14	35	-	92	-	< 0.1	18	160	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH102@0.4-0.5	0.5m	19/02/26		8	< 0.4	11	28	-	36	-	< 0.1	18	110	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH103@0-0.1	0.1m	19/02/26		9	< 0.4	14	28	-	26	-	< 0.1	22	69	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH104@0-0.1	0.1m	19/02/26		6	< 0.4	15	21	-	25	-	< 0.1	16	51	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH104@0.9-1	1m	19/02/26		17	< 0.4	17	37	-	20	-	0.1	30	75	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH105@0-0.1	0.1m	19/02/26		7	< 0.4	14	34	-	23	-	< 0.1	17	65	< 25	< 50	< 25	< 50	300	170	< 0.2	< 0.5	< 1	< 1
BH105@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106@0-0.1	0.1m	19/02/26		10	< 0.4	13	40	-	44	-	< 0.1	26	77	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107@0-0.1	0.1m	19/02/26		7	< 0.4	16	35	-	39	-	< 0.1	20	100	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH108@0-0.1	0.1m	19/02/26		8	< 0.4	15	25	-	35	-	< 0.1	18	63	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109@0-0.1	0.1m	19/02/26		9	< 0.4	17	37	-	30	-	0.1	21	94	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description	Metals									TRH (NEPM 2013)							BTEXN (all)			
				Arsenic	Cadmium	Chromium (Total)	Copper	Lead	Lead	Lead	Mercury	Nickel	Zinc	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)	Benzene	Toluene	Ethylbenzene	Xylene (o)
Units				mg/kg	mg/kg	mg/kg	mg/kg	% w/w	mg/kg	µg/swa	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				4	0.4	1	1	0.005	1	1	0.1	1	1	25	50	25	50	100	100	0.2	0.5	1	1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	50	280	-	-	0.7	480	NL	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	90	NL	-	-	1	NL	NL	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	150	NL	-	-	2	NL	NL	-
EIL, Urban residential & public open space				100	-	-	260	-	1,100	-	-	700	1,300	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	120	180	-	1,300	5,600	65	105	125	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110@0-0.1	0.1m	19/02/26		7	< 0.4	15	30	-	38	-	< 0.1	17	220	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP1@0-0.1	0.1m	19/02/26		11	< 0.4	17	34	-	23	-	0.1	28	87	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP2@0-0.1	0.1m	19/02/26		< 4	< 0.4	7	6	-	10	-	< 0.1	5	20	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP3@0-0.1	0.1m	19/02/26		8	< 0.4	20	30	-	43	-	< 0.1	15	75	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP3@0.4-0.5	0.5m	19/02/26		6	< 0.4	13	36	-	20	-	< 0.1	24	57	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP4@0-0.1	0.1m	19/02/26		< 4	< 0.4	12	20	-	22	-	< 0.1	13	47	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP4@0.4-0.5	0.5m	19/02/26		8	< 0.4	15	40	-	15	-	< 0.1	23	64	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP6@0-0.1	0.1m	19/02/26		11	< 0.4	18	32	-	32	-	0.1	22	210	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1
TP8@0-0.1	0.1m	19/02/26		10	< 0.4	13	33	-	20	-	< 0.1	18	44	< 25	< 50	< 25	< 50	< 100	< 100	< 0.2	< 0.5	< 1	< 1

Criteria adopted from the following guidelines:

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)

HEPA, PFAS National Environmental Management Plan, Version 3.0 (2025)

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

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description	Metals									TRH (NEPM 2013)						BTEXN (all)				
				Arsenic	Cadmium	Chromium (Total)	Copper	Lead	Lead	Lead	Mercury	Nickel	Zinc	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)	Benzene	Toluene	Ethylbenzene	Xylene (o)
Units				mg/kg	mg/kg	mg/kg	mg/kg	% w/w	mg/kg	µg/swa	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				4	0.4	1	1	0.005	1	1	0.1	1	1	25	50	25	50	100	100	0.2	0.5	1	1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	50	280	-	-	0.7	480	NL	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	90	NL	-	-	1	NL	NL	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	150	NL	-	-	2	NL	NL	-
EIL, Urban residential & public open space				100	-	-	260	-	1,100	-	-	700	1,300	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	120	180	-	1,300	5,600	65	105	125	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. non-bonded/friable asbestos) only applies where the FA and AF are able to be quantified by gravimetric procedures (refer Section 4. 10). This screening level is not applicable to free fibri

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description				PAH																
				Xylene (m & p)	Xylene (Total)	Naphthalene (VOC)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(a)pyrene TEQ calc (0.5 PQL)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				2	1	1	0.1	0.1	0.1	0.1	0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	110	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
HSL-A & B Clay 1m - 2m				-	310	NL	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-	-	-
HSL-A & B Clay 2m - 4m				-	NL	NL	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-	-	-
EIL, Urban residential & public open space				-	-	170	-	-	-	-	-	-	-	-	-	-	-	170 ¹	-	-	-	-	-
ESL-A-B-C Fine				-	45	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM1		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM2		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM3		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/260219		19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.2	< 0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.5	< 0.5
TP7@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.2	< 0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.5	< 0.5
BD3/260219		19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2	0.1	< 0.1	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	0.2	< 0.5	< 0.5
TP5@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.2	< 0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.5	< 0.5
BH101@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.2	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.5	< 0.5
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	0.1	0.2	0.2	0.1	0.1	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	0.2	< 0.5	< 0.5
BH102@0.4-0.5	0.5m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.2	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.5	< 0.5
BH103@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
BH104@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.2	< 0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.5	< 0.5
BH104@0.9-1	1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.2	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.5	< 0.5
BH105@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
BH105@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	0.4	0.6	0.9	0.3	0.6	< 0.1	1	< 0.1	0.3	< 0.1	0.4	1	0.8	0.8
BH108@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2	0.1	0.1	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	0.2	< 0.5	< 0.5
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109@0-0.1	0.1m	19/02/26		< 2	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2	0.1	0.1	< 0.1	0.3	< 0.1	0.1	< 0.1	0.1	0.3	< 0.5	< 0.5

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description				PAH																
				Xylene (m & p)	Xylene (Total)	Naphthalene (VOC)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(a)pyrene TEQ calc (0.5 PQL)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				2	1	1	0.1	0.1	0.1	0.1	0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	110	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
HSL-A & B Clay 1m - 2m				-	310	NL	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-	-	-
HSL-A & B Clay 2m - 4m				-	NL	NL	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-	-	-
EIL, Urban residential & public open space				-	-	170	-	-	-	-	-	-	-	-	-	-	-	170 ¹	-	-	-	-	-
ESL-A-B-C Fine				-	45	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110@0-0.1	0.1m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	0.1	0.2	0.3	0.1	0.2	< 0.1	0.3	< 0.1	0.1	< 0.1	0.2	0.4	< 0.5	< 0.5
TP1@0-0.1	0.1m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
TP2@0-0.1	0.1m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
TP3@0-0.1	0.1m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	0.3	0.59	0.8	0.5	0.4	< 0.1	0.6	< 0.1	0.4	< 0.1	0.4	0.6	0.7	0.8
TP3@0.4-0.5	0.5m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
TP4@0-0.1	0.1m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
TP4@0.4-0.5	0.5m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
TP6@0-0.1	0.1m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5
TP8@0-0.1	0.1m	19/02/26		< 2	<1	<1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5

Criteria adopted from the following guidelines:

NEPC, National Environment Protection (Assessment of Site Contamir

NEPC, National Environment Protection (Assessment of Site Contamir

HEPA, PFAS National Environmental Management Plan, Version 3.0 (2

Notes:

This table does not represent the full analytical results, please refer to t

Results displayed in grey text recorded below the laboratory practical

Cream shading indicates results with PQL above one or more assessm

EIL - ecological investigation level

EGV - ecological guideline level

ESL - ecological screening level

HIL - health investigation level

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description				PAH																
				Xylene (m & p)	Xylene (Total)	Naphthalene (VOC)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(a)pyrene TEQ calc (0.5 PQL)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				2	1	1	0.1	0.1	0.1	0.1	0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	110	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
HSL-A & B Clay 1m - 2m				-	310	NL	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-	-	-
HSL-A & B Clay 2m - 4m				-	NL	NL	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-	-	-
EIL, Urban residential & public open space				-	-	170	-	-	-	-	-	-	-	-	-	-	-	170 ¹	-	-	-	-	-
ESL-A-B-C Fine				-	45	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and n:
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. res

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description			Phenols	PCB							OCP									
				Benzo(a)pyrene TEQ (PQL)	Total PAH (sum of analysed)	Phenolics (Total)(as phenol)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCB (Total)	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.5	0.05	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM1		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM2		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM3		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/260219		19/02/26		< 0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7@0-0.1	0.1m	19/02/26		< 0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD3/260219		19/02/26		< 0.5	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5@0-0.1	0.1m	19/02/26		< 0.5	0.5	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BH101@0-0.1	0.1m	19/02/26		< 0.5	0.3	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102@0-0.1	0.1m	19/02/26		< 0.5	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102@0.4-0.5	0.5m	19/02/26		< 0.5	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103@0-0.1	0.1m	19/02/26		< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104@0-0.1	0.1m	19/02/26		< 0.5	0.4	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BH104@0.9-1	1m	19/02/26		< 0.5	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105@0-0.1	0.1m	19/02/26		< 0.5	0.07	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BH105@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106@0-0.1	0.1m	19/02/26		< 0.5	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107@0-0.1	0.1m	19/02/26		0.9	5.5	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BH108@0-0.1	0.1m	19/02/26		< 0.5	1.4	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109@0-0.1	0.1m	19/02/26		< 0.5	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description			Phenols	PCB							OCP										
				Benzo(a)pyrene TEQ (PQL)	Total PAH (sum of analysed)	Phenolics (Total)(as phenol)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCB (Total)	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.5	0.05	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH110@0-0.1	0.1m	19/02/26		< 0.5	1.9	< 5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
TP1@0-0.1	0.1m	19/02/26		< 0.5	< 0.05	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
TP2@0-0.1	0.1m	19/02/26		< 0.5	< 0.05	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
TP3@0-0.1	0.1m	19/02/26		0.8	4.6	< 5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
TP3@0.4-0.5	0.5m	19/02/26		< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP4@0-0.1	0.1m	19/02/26		< 0.5	< 0.05	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
TP4@0.4-0.5	0.5m	19/02/26		< 0.5	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP6@0-0.1	0.1m	19/02/26		< 0.5	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP8@0-0.1	0.1m	19/02/26		< 0.5	< 0.05	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	

Criteria adopted from the following guidelines:

NEPC, National Environment Protection (Assessment of Site Contamir

NEPC, National Environment Protection (Assessment of Site Contamir

HEPA, PFAS National Environmental Management Plan, Version 3.0 (2

Notes:

This table does not represent the full analytical results, please refer to t

Results displayed in grey text recorded below the laboratory practical

Cream shading indicates results with PQL above one or more assessm

EIL - ecological investigation level

EGV - ecological guideline level

ESL - ecological screening level

HIL - health investigation level

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description			Phenols	PCB							OCP									
				Benzo(a)pyrene TEQ (PQL)	Total PAH (sum of analysed)	Phenolics (Total)(as phenol)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCB (Total)	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.5	0.05	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and n:
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. r

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description															OPP						
				DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene (HCB)	Methoxychlor	Mirex	p,p'-DDE (4,4'-DDE)	Azinophos methyl (Guthion)	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Diazinon	
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
PQL				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM1		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM2		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM3		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BD1/260219		19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP7@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BD3/260219		19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP5@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
BH101@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH102@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH102@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH103@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH104@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
BH104@0.9-1	1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH105@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
BH105@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH106@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH107@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
BH108@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH109@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description															OPP					
				DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene (HCB)	Methoxychlor	Mirex	p,p'-DDE (4,4-DDE)	Azinophos methyl (Guthion)	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Diazinon
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TP1@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TP2@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TP3@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TP3@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TP4@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Criteria adopted from the following guidelines:
NEPC, National Environment Protection (Assessment of Site Contamir
NEPC, National Environment Protection (Assessment of Site Contamir
HEPA, PFAS National Environmental Management Plan, Version 3.0 (2

Notes:
This table does not represent the full analytical results, please refer to t
Results displayed in grey text recorded below the laboratory practical
Cream shading indicates results with PQL above one or more assessm
EIL - ecological investigation level
EGV - ecological guideline level
ESL - ecological screening level
HIL - health investigation level

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description														OPP						
				DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene (HCB)	Methoxychlor	Mirex	p,p'-DDE (4,4-DDE)	Azinophos methyl (Guthion)	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Diazinon
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and n:
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. r

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description																VOC				
				Dichlorvos	Dimethoate	Disulfoton	Ethion	Ronnel	Fenamiphos	Fenitrothion	Fenthion	Malathion	Methyl parathion	Methidathion	Mevinphos (Phosdrin)	Parathion	Phorate	Phosalone	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.5	1	2	1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	480	NL	-	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	NL	NL	-	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	NL	NL	-	-
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	105	125	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM1		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM2		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM3		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/260219		19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
TP7@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
BD3/260219		19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
TP5@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1
BH101@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
BH102@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
BH103@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
BH104@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1
BH104@0.9-1	1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
BH105@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1
BH105@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1
BH108@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description																VOC				
				Dichlorvos	Dimethoate	Disulfoton	Ethion	Ronnel	Fenamiphos	Fenitrothion	Fenthion	Malathion	Methyl parathion	Methidathion	Mevinphos (Phosdrin)	Parathion	Phorate	Phosalone	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.5	1	2	1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	480	NL	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	NL	NL	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	NL	NL	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	105	125	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH110@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1	
TP1@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1	
TP2@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1	
TP3@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1	
TP3@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1	
TP4@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1	
TP4@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1	
TP6@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.5	< 1	< 2	< 1	
TP8@0-0.1	0.1m	19/02/26		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.5	< 1	< 2	< 1	

Criteria adopted from the following guidelines:

NEPC, National Environment Protection (Assessment of Site Contamir

NEPC, National Environment Protection (Assessment of Site Contamir

HEPA, PFAS National Environmental Management Plan, Version 3.0 (2

Notes:

This table does not represent the full analytical results, please refer to t

Results displayed in grey text recorded below the laboratory practical

Cream shading indicates results with PQL above one or more assessm

EIL - ecological investigation level

EGV - ecological guideline level

ESL - ecological screening level

HIL - health investigation level

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description																VOC				
				Dichlorvos	Dimethoate	Disulfoton	Ethion	Ronnel	Fenamiphos	Fenitrothion	Fenthion	Malathion	Methyl parathion	Methidathion	Mevinphos (Phosdrin)	Parathion	Phorate	Phosalone	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.5	1	2	1
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	480	NL	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	NL	NL	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	NL	NL	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	105	125	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and n:
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. r

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description		PFAS																			
				Naphthalene (VOC)	Perfluorooctane sulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
PQL				1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.005	0.0001	0.0001
HIL-A (HEPA, 2025)				-	0.003	0.06	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay <1m				5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 1m - 2m				NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 2m - 4m				NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EIL, Urban residential & public open space				170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Direct, all landuses				-	1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	0.003	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM1		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM2		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM3		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BD1/260219		19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP7@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BD3/260219		19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP5@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH101@0-0.1	0.1m	19/02/26		<1	0.0007	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0001	< 0.0001	
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH102@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH102@0.4-0.5	0.5m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH103@0-0.1	0.1m	19/02/26		<1	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0001	< 0.0001	
BH104@0-0.1	0.1m	19/02/26		<1	0.0007	0.0004	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	0.0001	0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0001	< 0.0001	
BH104@0.9-1	1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH105@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH105@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH106@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH107@0-0.1	0.1m	19/02/26		<1	0.0005	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0001	< 0.0001	
BH108@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH109@0-0.1	0.1m	19/02/26		<1	0.0012	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	0.0002	< 0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0001	< 0.0001	

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description		PFAS																		
				Naphthalene (VOC)	Perfluorooctane sulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.005	0.0001	0.0001
HIL-A (HEPA, 2025)				-	0.003	0.06	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 1m - 2m				NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 2m - 4m				NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Urban residential & public open space				170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	0.003	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110@0-0.1	0.1m	19/02/26		<1	0.0012	0.0006	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	0.0001	0.0002	0.0003	0.0008	0.0007	0.0006	< 0.0005	< 0.005	< 0.0001	< 0.0001
TP1@0-0.1	0.1m	19/02/26		<1	0.0005	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	0.0003	< 0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0001	< 0.0001
TP2@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3@0.4-0.5	0.5m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4@0.4-0.5	0.5m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6@0-0.1	0.1m	19/02/26		<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8@0-0.1	0.1m	19/02/26		<1	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0001	< 0.0001

Criteria adopted from the following guidelines:
NEPC, National Environment Protection (Assessment of Site Contamir
NEPC, National Environment Protection (Assessment of Site Contamir
HEPA, PFAS National Environmental Management Plan, Version 3.0 (2

Notes:
This table does not represent the full analytical results, please refer to t
Results displayed in grey text recorded below the laboratory practical
Cream shading indicates results with PQL above one or more assessm
EIL - ecological investigation level
EGV - ecological guideline level
ESL - ecological screening level
HIL - health investigation level

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description		PFAS																			
				Naphthalene (VOC)	Perfluorooctane sulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
PQL				1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.005	0.0001	0.0001
HIL-A (HEPA, 2025)				-	0.003	0.06	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 1m - 2m				NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 2m - 4m				NL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Urban residential & public open space				170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	0.003	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and n:
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. r

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description														PFAS (TOPA)			Asbestos				
				8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	Sum of PFHxS and PFOS	Sum of PFAS (PFOS + PFOA)	Sum of PFAS	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	Asbestos Comments	Asbestos ID	Total asbestos	FA/AF	FA/AF	
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	detect	% w/w	g	% w/w	
PQL				0.0002	0.0002	0.001	0.001	0.001	0.001	0.005	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.005	0.001			0.01		0.001	
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	-	-	-	-	-	-	
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0.001 ²	
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM1		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PRESENT	-	-	-		
ACM2		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PRESENT	-	-	-		
ACM3		25/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PRESENT	-	-	-		
BD1/260219		19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP7@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001		
BD3/260219		19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP5@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001		
BH101@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	< 0.0002	0.0007	0.0008	0.0008	< 0.0002	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001	
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BH102@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	PRESENT	0.13	0	< 0.001	
BH102@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001	
BH103@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	< 0.0002	0.0003	0.0003	0.0003	< 0.0002	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001	
BH104@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	< 0.0002	0.0007	0.0011	0.0013	< 0.0002	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001	
BH104@0.9-1	1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BH105@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001	
BH105@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001	
BH106@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001	
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH107@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	< 0.0002	0.0005	0.0008	0.0008	< 0.0002	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001	
BH108@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001	
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH109@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	< 0.0002	0.0012	0.0015	0.0017	< 0.0002	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001	

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description													PFAS (TOPA)			Asbestos				
				8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	Sum of PFHXS and PFOS	Sum of PFAS (PFOS + PFOA)	Sum of PFAS	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	Asbestos Comments	Asbestos ID	Total asbestos	FA/AF	FA/AF
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	detect	% w/w	g	% w/w
PQL				0.0002	0.0002	0.001	0.001	0.001	0.001	0.005	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.005	0.001			0.01		0.001
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0.001 ²
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	0.0003	0.0012	0.0018	0.0047	0.0003	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001
TP1@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	< 0.0002	0.0005	0.0007	0.001	< 0.0002	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001
TP2@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001
TP3@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001
TP3@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001
TP4@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001
TP4@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001
TP6@0-0.1	0.1m	19/02/26		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	ABSENT	< 0.01	0	< 0.001
TP8@0-0.1	0.1m	19/02/26		< 0.0002	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0002	< 0.0002	0.0001	0.0001	0.0001	< 0.0002	< 0.005	< 0.001	0	ABSENT	< 0.01	0	< 0.001

Criteria adopted from the following guidelines:
NEPC, National Environment Protection (Assessment of Site Contamir
NEPC, National Environment Protection (Assessment of Site Contamir
HEPA, PFAS National Environmental Management Plan, Version 3.0 (2

Notes:
This table does not represent the full analytical results, please refer to t
Results displayed in grey text recorded below the laboratory practical
Cream shading indicates results with PQL above one or more assessm
EIL - ecological investigation level
EGV - ecological guideline level
ESL - ecological screening level
HIL - health investigation level

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description												PFAS (TOPA)			Asbestos					
				8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	Sum of PFHxS and PFOS	Sum of PFAS (PFOS + PFOA)	Sum of PFAS	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	Asbestos Comments	Asbestos ID	Total asbestos	FA/AF	FA/AF
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	detect	% w/w	g	% w/w
PQL				0.0002	0.0002	0.001	0.001	0.001	0.001	0.005	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.005	0.001			0.01		0.001
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0.001 ²
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and n:
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. 1

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description				Asbestos (Additio		General paramete		TRH (NEPM 1999)											Other		
				ACM >7mm	ACM >7mm	Asbestos (Trace)	weight of sample	Asbestos Sample Dimensions	Moisture Content	pH 1:5 soil:water	TRH C6-C9	TRH C10-C14	TRH C15-C28	TRH C29-C36	TRH C10-C36 (sum)	TRH F1 (C6-C10 minus BTEX)	TRH >C10-C16	TRH C6-C10	TRH F2 (>C10-C16 minus naphthalene)	TRH F3 (>C16-C34)	TRH F4 (>C34-C40)	TRH >C10-C40 (sum)	Electrical Conductivity (EC)	
Units				g	% w/w	detect	g	-	%	pH	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µS/cm
PQL					0.01				0.1		25	50	100	100	50	25	50	25	50	100	100	50	2	
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	280	-	-	-	-	
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	90	-	-	NL	-	-	-	-	
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	NL	-	-	-	-	
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	180	120	-	-	1,300	5,600	-	-	
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ML-A-B-C Coarse				-	-	-	-	-	-	-	-	-	-	-	-	-	1,000	700	-	2,500	10,000	-	-	
ACM1		25/02/26		-	-	PRESENT	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM2		25/02/26		-	-	PRESENT	-	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ACM3		25/02/26		-	-	PRESENT	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BD1/260219		19/02/26		-	-	-	-	-	16	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
TP7@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	610.99	-	16	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BD3/260219		19/02/26		-	-	-	-	-	11	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
TP5@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	810.16	-	12	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH101@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	602.81	-	19	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH101@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	120	
BH102@0-0.1	0.1m	19/02/26		0.8334	0.13	ABSENT	663.46	-	14	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH102@0.4-0.5	0.5m	19/02/26		0	< 0.01	ABSENT	528.01	-	14	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH103@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	583.69	-	23	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH104@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	678.21	-	9.5	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH104@0.9-1	1m	19/02/26		-	-	-	-	-	12	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH105@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	716.41	-	11	-	< 25	< 50	120	260	380	< 25	< 50	< 25	< 50	300	170	470	-	
BH105@0.4-0.5	0.5m	19/02/26		0	< 0.01	ABSENT	878.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH106@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	396.84	-	17	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH106@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	56	
BH107@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	652.83	-	17	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH108@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	805.65	-	10	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	
BH108@0.4-0.5	0.5m	19/02/26		-	-	-	-	-	-	7.1	-	-	-	-	-	-	-	-	-	-	-	-	73	
BH109@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	573.83	-	19	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-	

Table F1: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description				Asbestos (Additio		General paramete	TRH (NEPM 1999)												Other	
				ACM >7mm	ACM >7mm	Asbestos (Trace)	weight of sample	Asbestos Sample Dimensions	Moisture Content	pH 1:5 soil:water	TRH C6-C9	TRH C10-C14	TRH C15-C28	TRH C29-C36	TRH C10-C36 (sum)	TRH F1 (C6-C10 minus BTEX)	TRH >C10-C16	TRH C6-C10	TRH F2 (>C10-C16 minus naphthalene)	TRH F3 (>C16-C34)	TRH F4 (>C34-C40)	TRH >C10-C40 (sum)	Electrical Conductivity (EC)
Units				g	% w/w	detect	g	-	%	pH	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µS/cm
PQL					0.01				0.1		25	50	100	100	50	25	50	25	50	100	100	50	2
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	280	-	-	-	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	90	-	-	NL	-	-	-	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	NL	-	-	-	-
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	180	120	-	-	1,300	5,600	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	831.78	-	13	-	< 25	< 50	< 100	100	100	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP1@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	565.4	-	13	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP2@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	676.06	-	7.3	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP3@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	670.43	-	11	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP3@0.4-0.5	0.5m	19/02/26		0	< 0.01	ABSENT	690.6	-	14	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP4@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	589.26	-	10	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP4@0.4-0.5	0.5m	19/02/26		0	< 0.01	ABSENT	825.88	-	13	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP6@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	637.32	-	15	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-
TP8@0-0.1	0.1m	19/02/26		0	< 0.01	ABSENT	604.62	-	17	-	< 25	< 50	< 100	< 100	< 50	< 25	< 50	< 25	< 50	< 100	< 100	< 50	-

Criteria adopted from the following guidelines:

NEPC, National Environment Protection (Assessment of Site Contamir

NEPC, National Environment Protection (Assessment of Site Contamir

HEPA, PFAS National Environmental Management Plan, Version 3.0 (2

Notes:

This table does not represent the full analytical results, please refer to t

Results displayed in grey text recorded below the laboratory practical

Cream shading indicates results with PQL above one or more assessm

EIL - ecological investigation level

EGV - ecological guideline level

ESL - ecological screening level

HIL - health investigation level

Table FI: Summary of laboratory results - soil contaminated land

Sample ID	Depth	Sampled date	Soil description				Asbestos (Additio		General paramete	TRH (NEPM 1999)												Other	
				ACM >7mm	ACM >7mm	Asbestos (Trace)	weight of sample	Asbestos Sample Dimensions	Moisture Content	pH 1:5 soil:water	TRH C6-C9	TRH C10-C14	TRH C15-C28	TRH C29-C36	TRH C10-C36 (sum)	TRH F1 (C6-C10 minus BTEX)	TRH >C10-C16	TRH C6-C10	TRH F2 (>C10-C16 minus naphthalene)	TRH F3 (>C16-C34)	TRH F4 (>C34-C40)	TRH >C10-C40 (sum)	Electrical Conductivity (EC)
Units				g	% w/w	detect	g	-	%	pH	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µS/cm
PQL					0.01				0.1		25	50	100	100	50	25	50	25	50	100	100	50	2
HIL-A (HEPA, 2025)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HSL-A & B Clay <1m				-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	280	-	-	-	-
HSL-A & B Clay 1m - 2m				-	-	-	-	-	-	-	-	-	-	-	-	90	-	-	NL	-	-	-	-
HSL-A & B Clay 2m - 4m				-	-	-	-	-	-	-	-	-	-	-	-	150	-	-	NL	-	-	-	-
EIL, Urban residential & public open space				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESL-A-B-C Fine				-	-	-	-	-	-	-	-	-	-	-	-	180	120	-	-	1,300	5,600	-	-
EGV Direct, all landuses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EGV Indirect, all land uses				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HSL - health screening level
ML - management limit
PQL - laboratory practical quantitation limit
Field duplicate is below primary sample

Guideline Notes:
¹Insufficient data was available to calculate aged values for DDT and n:
²The screening level of 0. 001% w/w asbestos in soil for FA and AF (i. e. r

Appendix G

Borehole and test pit Logs

TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 86.4 AHD
COORDINATE: E:287215.9, N:6228473.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP1
PROJECT No: 239951.00
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED														SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN (#)	CONSIS. ^(*)	DENSITY. ^(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS				
19/02/26 No free groundwater observed	86	0.10	FILL / TOPSOIL: Silty CLAY (CL-CI): brown; low to medium plasticity; with rootlets.		FILL	NA		w<PL		ES		0.10						
			Silty CLAY (CI-CH): orange-brown; medium to high plasticity.															
																		
																		
																		
																		
																		
																		
																		
																		
Test Pit discontinued at 0.60m depth. Limit of Investigation.																		
		1																
		2																
		3																
		4																

NOTES: ^(*)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

NOTES: #Soil origin is "probable" unless otherwise stated. °Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: N/A **OPERATOR:** N/A **LOGGED:** SWT
METHOD: HA to 0.6m
REMARKS:

Refer to explanatory notes for symbol and abbreviation definitions

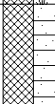


TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 87.3 AHD
COORDINATE: E:287199.4, N:6228476.4
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP2
PROJECT No: 239951.00
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED														SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN (#)	CONSIS. ^(*)	DENSITY. ^(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS				
19/02/26	87	0.30	FILL / TOPSOIL: Silty CLAY (CL): dark brown; low plasticity; with rootlets.		FILL	NA		w<PL		ES	0.10							
			FILL / SAND (SP): yellow-brown; coarse; poorly graded.								FILL				D	ES	0.30	
																0.40		
Test Pit discontinued at 0.50m depth. Limit of Investigation.																		
19/02/26	86	1																
19/02/26	85	2																

NOTES: ^(*)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

Generated with CORE-GS by Geroc - Soil Log

PLANT: N/A

OPERATOR: N/A

LOGGED: SWT

METHOD: HA to 0.5m

REMARKS:

Refer to explanatory notes for symbol and abbreviation definitions



TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 88.0 AHD
COORDINATE: E:287163.5, N:6228425.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP3
PROJECT No: 239951.00
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										TESTING AND REMARKS				
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN (#)	CONSIS. ^(*)	DENSITY. ^(*)	MOISTURE	REMARKS	SAMPLE		DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
										TYPE	INTERVAL			
19/02/26 No free groundwater observed	87	0.50	FILL / TOPSOIL: Silty CLAY (CL-CI): dark brown; low to medium plasticity; with fine to coarse gravel, sandstone, rootlets, and foreign materials, concrete and ceramic fragments.		FILL	NA		w<PL		ES		0.10		
		ES		0.40										
			Silty CLAY (CI-CH): orange-brown; medium to high plasticity; trace rootlets.							ES		0.50		
		1	Test Pit discontinued at 1.00m depth. Limit of Investigation.											

Generated with CORE-GS by Geroc - Soil Log

PLANT: Hyundai 60CR-9
METHOD: 450mm TB to 1m
REMARKS:

OPERATOR: Quake Excavations

LOGGED: SWT

Refer to explanatory notes for symbol and abbreviation definitions



TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 86.7 AHD
COORDINATE: E:287181.6, N:6228442.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP4
PROJECT No: 239951.00
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED														SAMPLE				TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN (#)	CONSIS. ^(*)	DENSITY. ^(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS					
19/02/26 No free groundwater observed	86	0.20	FILL / TOPSOIL: Silty CLAY (CL-CI): dark brown; low to medium plasticity; with rootlets.		FILL			w<PL			ES	0.10							
			FILL / Clayey SAND (SC): yellow-brown; with sandstone gravel and cobbles.		FILL	NA	D		ES	0.40 0.50									
		0.80	Silty CLAY (CI-CH): brown; medium to high plasticity.				w<PL												
		1	Test Pit discontinued at 1.00m depth. Limit of Investigation.																
	85																		
	84	2																	

NOTES: ^(*)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

NOTES: #Soil origin is "probable" unless otherwise stated. °Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hyundai 60CR-9
METHOD: 450mm TB to 1m
REMARKS:

OPERATOR: Quake Excavations

LOGGED: SWT

Refer to explanatory notes for symbol and abbreviation definitions

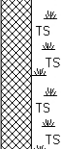


TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 85.0 AHD
COORDINATE: E:287141.6, N:6228324.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP5
PROJECT No: 239951.00
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED														SAMPLE			TESTING AND REMARKS		
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN (#)	CONSIS. ^(*)	DENSITY. ^(*)	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS					
19/02/26 No free groundwater observed	85	0.30	FILL / TOPSOIL: Silty CLAY (CL): dark brown; low plasticity; with rootlets and roots.		FILL	NA		w<PL		ES		0.10							
																			
Test Pit discontinued at 0.40m depth. Limit of Investigation.																			

NOTES: #Soil origin is "probable" unless otherwise stated. °Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: N/A **OPERATOR:** N/A **LOGGED:** SWT
METHOD: HAND to 0.4m
REMARKS: BD3/205219 @ 0-0.1m

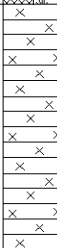
Refer to explanatory notes for symbol and abbreviation definitions

TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 81.9 AHD
COORDINATE: E:287170.2, N:6228320.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP6
PROJECT No: 239951.00
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED													SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN (#)	CONSIS. ⁽¹⁾	DENSITY. ⁽²⁾	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS			
19/02/26 No free groundwater observed		0.30	FILL / TOPSOIL: Silty CLAY (CL-CI): brown; low to medium plasticity; with rootlets.		FILL					ES	0.10						
			Silty CLAY (CI-CH): orange-brown; medium to high plasticity; trace rootlets.												NA	w<PL	
			Test Pit discontinued at 0.80m depth. Limit of Investigation.														

PLANT: Hyundai 60CR-9 **OPERATOR:** Quake Excavations **LOGGED:** SWT

PLANT: Hyundai 60CR-9
METHOD: 450mm TB to 0.8m
REMARKS:

OPERATOR: Quake Excavations

LOGGED: SWT

Refer to explanatory notes for symbol and abbreviation definitions



TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 81.3 AHD
COORDINATE: E:287170.3, N:6228307.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP7
PROJECT No: 239951.00
DATE: 19/02/26
SHEET: 1 of 1

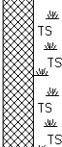
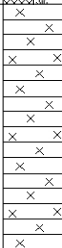
CONDITIONS ENCOUNTERED										SAMPLE			TESTING		
GROUNDWATER	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
				ORIGIN(%)	CONSIS. (%)	DENSITY (%)	MOISTURE	WEATH.	DEPTH (m)						
19/02/26 No free groundwater observed	0.20	FILL / TOPSOIL: Silty CLAY (CL-CI): dark brown; low to medium plasticity; with rootlets and roots.		FILL							ES		0.10		
	1	Silty CLAY (CI-CH): orange-brown; medium to high plasticity; trace fine sub angular gravel and rootlets.		RS	NA	w<PL							1		
	1.30	From 1.00m: grading to grey													
		SHALE: grey.						HW	1.30	NA					
Test Pit discontinued at 1.40m depth. Limit of Investigation.															

TEST PIT LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 & 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 81.0 AHD
COORDINATE: E:287174.3, N:6228298.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: TP8
PROJECT No: 239951.00
DATE: 19/03/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED													SAMPLE			TESTING AND REMARKS	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	ORIGIN (#)	CONSIS. ⁽¹⁾	DENSITY. ⁽²⁾	MOISTURE	REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS			
19/02/26 No free groundwater observed		0.30	FILL / TOPSOIL: Silty CLAY (CL-CI): dark brown; low to medium plasticity; with rootlets and roots.		FILL					ES	0.10						
			Silty CLAY (CI-CH): orange-brown; medium to high plasticity; trace rootlets.														
			Test Pit discontinued at 0.80m depth. Limit of Investigation.														
	80	1															
	75	2															
	60																

NOTES: ⁽¹⁾Soil origin is "probable" unless otherwise stated. ⁽²⁾Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

Generated with CORE-GS by Geroc - Soil Log

PLANT: Hyundai 60CR-9
METHOD: 450mm TB to 0.8m
REMARKS:

OPERATOR: Quake Excavations

LOGGED: SWT

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 83.7 AHD
COORDINATE: E:287220.8, N:6228443.8
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 101
PROJECT No: 239951.01
DATE: 23/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										SAMPLE			TESTING																	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS														
					ORIGIN ^(#)	CONSIS. ^(*)	DENSITY ^(*)	MOISTURE	WEATH.	DEPTH (m)							ESTIMATED STRENGTH													
23/02/26 No free groundwater observed	83	0.20	FILL / TOPSOIL: Silty CLAY (CL-CI): brown; low to medium plasticity; trace fine to coarse gravel and rootlets.		FILL	NA						ES		0.10	DCP9/150															
		Silty CLAY (CH): pale brown ; high plasticity; trace fine to medium gravel.																												

BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 86.2 AHD
COORDINATE: E:287192.1, N:6228444.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 102
PROJECT No: 239951.01
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										SAMPLE			TESTING						
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS	BACKFILL	WELL PIPE	
					ORIGIN ^(#)	CONSIS. ^(*)	DENSITY ^(*)	MOISTURE	WEATH.	DEPTH (m)									ESTIMATED STRENGTH
23/02/26 No free groundwater observed	86	0.20	FILL / TOPSOIL: Silty CLAY (CI-CH); brown; medium to high plasticity; trace fine gravel and rootlets.		FILL	NA						ES	0.10						
			FILL / Silty CLAY (CI); medium plasticity; trace fine to medium gravel and rootlets, poorly compacted.									A/D/ES	0.50						
		1			FILL	PC						D/ES	1.00						
	85	1.30	Silty CLAY (CI-CH); red-brown and brown; medium to high plasticity; trace fine to medium gravel.									SPT			SPT				4,4,3 N=7
												A/D/ES	1.45						
		2	From 1.70m: grading to pale grey and pale brown			St													
	84		From 2.00m: with extremely weathered to highly weathered shale bands and sand									D/ES	2.00						
						RS													
						VSt						A/D	2.50						
												SPT			SPT				12,9,8 N=17
		3.00	SHALE: grey and pale brown. Bringelly Shale.									A/D	2.95						
	83																		
												A/D	3.50						
		4																	
	82		Borehole discontinued at 4.30m depth. Refusal on low strength shale.																

NOTES: ^(#)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

NOTES: "Soil origin is "probable" unless otherwise stated. "Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: MD 300
METHOD: AD/T to 4.3m
REMARKS:

OPERATOR: Tracess

LOGGED: AS
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions

BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 83.8 AHD
COORDINATE: E:287208.6, N:6228432.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 103
PROJECT No: 239951.01
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										SAMPLE			TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
					ORIGIN ^(#)	CONSIS. ^(*)	DENSITY ^(*)	MOISTURE	WEATH.	DEPTH (m)						
23/02/26 No free groundwater observed	83		FILL / TOPSOIL: Silty CLAY (CL-Cl): dark brown; low to medium plasticity; trace fine to coarse gravel, with rootlets.		FILL ^(#)	NA		w=PL				ES		0.10		
		0.35	FILL / Gravelly SAND: dark grey; with fine to medium gravel, fine grained, poorly compacted.		FILL ^(#)	PC		M								
		0.50						w=PL				A/D/ES		0.50		
			Silty CLAY (CH): brown; high plasticity; trace rootlets									U50		0.69		
			Below 0.8m: grading to pale brown.			St										
		1										D		1.00		
	82	2.00	SHALE: pale grey; with clay bands. Bringelly Shale.												PP 280-340kPa	
			Borehole discontinued at 2.10m depth. Refusal on low strength shale.													
	81	3														
	80	4														
	79															

NOTES: ^(#)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

NOTES: ¹Soil origin is "probable" unless otherwise stated. ²Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hyundai 60CR9
METHOD: AD/T to 2.1m
REMARKS:

OPERATOR: Quake Excavations

LOGGED: AS

CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 87.0 AHD
COORDINATE: E:287147.3, N:6228391.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 104
PROJECT No: 239951.01
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										SAMPLE				TESTING														
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS												
					ORIGIN ^(*)	CONSIS. ^(*)	DENSITY ^(*)	MOISTURE	WEATH.	DEPTH (m)							ESTIMATED STRENGTH											
23/02/26 No free groundwater observed	86	0.20	FILL / TOPSOIL: Clayey SILT (ML): dark brown; low plasticity; trace fine gravel and rootlets.		FILL	NA	w<PL						ES		0.10	DCP9/150												
		0.80	Sandy CLAY (CI-CH): pale brown; medium to high plasticity; trace fine to medium gravel, with extremely weathered to highly weathered sandstone bands.		RS	VSt - H							D/ES		1.00													
		1.10	SANDSTONE: orange-brown and grey. Bringelly Shale.																									

NOTES: "Soil origin is "probable" unless otherwise stated. "Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: MD 300
METHOD: AD/T to 1.5m
REMARKS: Grass cover

OPERATOR: Tracess

LOGGED: AS
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 83.5 AHD
COORDINATE: E:287195.2, N:6228410.1
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 105
PROJECT No: 239951.01
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										SAMPLE			TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
					ORIGIN (#)	CONSIS. (%)	DENSITY (%)	MOISTURE	WEATH.	DEPTH (m)						
23/02/26 No free groundwater observed	83	0.10	FILL / TOPSOIL: Clayey SILT (ML): dark brown; low plasticity; trace fine to coarse gravel, with rootlets.		FILL	NA							ES	0.10	 DCP9/150 SPT 4,4,3 N=7	5 10 15
			FILL / Clayey SILT (CI): brown and orange-brown; medium plasticity; trace fine to coarse gravel and rootlets, well compacted.		FILL	WC					A/D/ES	0.50				
		1.10	Silty CLAY (CI-CH): pale brown; medium to high plasticity; trace fine to medium gravel.								D/ES	1.00				
	82												A/D	1.50	7,9,13 N=22	
	81												A/D	2.50	7,9,13 N=22	
	80												SPT	2.95	7,9,13 N=22	
	79												D	3.00	7,9,13 N=22	

NOTES: #Soil origin is "probable" unless otherwise stated. %Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: MD 300
METHOD: AD/T to 3m
REMARKS: Mulch cover

OPERATOR: Tracess

LOGGED: AS/SC
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 82.2 AHD
COORDINATE: E:287160.7, N:6228309.7
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 106
PROJECT No: 239951.01
DATE: 23/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										SAMPLE			TESTING			
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS
					ORIGIN ^(#)	CONSIS. ^(*)	DENSITY ^(*)	MOISTURE	WEATH.	DEPTH (m)						
23/02/26 No free groundwater observed	82	0.20	FILL / TOPSOIL: Silty CLAY (CL-CI): dark brown; low to medium plasticity; trace fine to medium gravel and rootlets.		FILL	NA						ES		0.10		
		0.40	FILL / Silty CLAY (CL-CI): brown; low to medium plasticity; trace fine to medium gravel, well compacted.		FILL	WC						A/D/ES		0.50		
			Silty CLAY (CH): brown; high plasticity; trace fine to medium gravel									U50		0.65		
		1	From 0.7m: grading to pale brown, with extremely weathered to highly weathered shale bands.		RS	St - VSt	w<PL									
	81															
		1.30	SHALE: pale brown. Bringelly Shale.													
Borehole discontinued at 1.50m depth. Refusal on low strength shale.																
		2														
	80															
		3														
	79															
		4														
	78															

NOTES: ^(#)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

NOTES: #Soil origin is "probable" unless otherwise stated. %Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hyundai 60CR9
METHOD: AD/T to 1.5m
REMARKS:

OPERATOR: Quake Excavations

LOGGED: AS/SC
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 83.8 AHD
COORDINATE: E:287175.2, N:6228381.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 107
PROJECT No: 239951.01
DATE: 23/02/26
SHEET: 1 of 1

[illegible]

NOTES: ^(#) Soil origin is "probable" unless otherwise stated. ^(*) Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hyundai 60CR9
METHOD: AD/T to 3m
REMARKS: Asphalt cover

OPERATOR: Quake Excavations

LOGGED: AS/SC
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 84.5 AHD
COORDINATE: E:287142.7, N:6228308.9
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 108
PROJECT No: 239951.01
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED														SAMPLE			TESTING	
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS		
					ORIGIN (#)	CONSIS. (%)	DENSITY (g)	MOISTURE	WEATH.	DEPTH (m)							ESTIMATED STRENGTH	
23/02/26 No free groundwater observed	84	0.20	FILL / TOPSOIL: Clayey SILT (ML): brown; low plasticity; trace rootlets.		FILL	NA							ES	0.10				

NOTES: ^(#)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: Hyundai 60CR9
METHOD: AD/T to 0.9m
REMARKS: Grass cover

OPERATOR: Quake Excavations

LOGGED: AS/SC
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 81.8 AHD
COORDINATE: E:287164.9, N:6228283.6
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 109
PROJECT No: 239951.01
DATE: 19/02/26
SHEET: 1 of 1

[illegible]

NOTES: [#]Soil origin is "probable" unless otherwise stated. [†]Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: MD 300
METHOD: AD/T to 3m
REMARKS: Grass cover

OPERATOR: Traccess

LOGGED: AS/SC
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



BOREHOLE LOG

CLIENT: Homes NSW
PROJECT: Proposed Residential Development
LOCATION: 70-78 and 82-86 Menangle Road, Camden, NSW

SURFACE LEVEL: 81.8 AHD
COORDINATE: E:287174.9, N:6228328.2
DATUM/GRID: MGA2020 Zone 56
DIP/AZIMUTH: 90°/---°

LOCATION ID: 110
PROJECT No: 239951.01
DATE: 19/02/26
SHEET: 1 of 1

CONDITIONS ENCOUNTERED										SAMPLE			TESTING																										
GROUNDWATER	RL (m)	DEPTH (m)	DESCRIPTION OF STRATA	GRAPHIC	SOIL			ROCK			SAMPLE REMARKS	TYPE	INTERVAL	DEPTH (m)	TEST TYPE	RESULTS AND REMARKS																							
					ORIGIN ^(#)	CONSIS. ^(*)	DENSITY ^(*)	MOISTURE	WEATH.	DEPTH (m)							ESTIMATED STRENGTH																						
23/02/26 No free groundwater observed	81	0.20	FILL / TOPSOIL: Clayey SILT (ML): dark brown; low plasticity; trace rootlets.		FILL	NA	w>PL																																
		FILL	WC																																				
		0.40	FILL / Silty CLAY (CL-Cl): brown; low to medium plasticity; trace fine gravel and sand, well compacted.		FILL	WC												St																					
		0.40	Silty CLAY (CH): brown; high plasticity; trace fine to medium gravel.																																				
		1	From 1.10m: grading to pale grey and orange-brown, with extremely weathered shale bands		RS	St																																	
		1																																					
		1																																					
		1																																					
		1																																					
		1																																					
1																																							
1																																							
2	SHALE: grey; with clay bands. Bringelly Shale.																																						
2																																							
2.10																																							
79	3	2.10	SHALE: grey; with clay bands. Bringelly Shale.																																				
78	4																																						
77																																							
Borehole discontinued at 3.00m depth. Refusal on low strength shale.																																							

NOTES: ^(#)Soil origin is "probable" unless otherwise stated. ^(*)Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

NOTES: "Soil origin is "probable" unless otherwise stated. "Consistency/Relative density shading is for visual reference only - no correlation between cohesive and granular materials is implied.

PLANT: MD 300
METHOD: AD/T to 3m
REMARKS: Grass cover

OPERATOR: Tracess

LOGGED: AS/SC
CASING: Uncased

Refer to explanatory notes for symbol and abbreviation definitions



Introduction to Terminology, Symbols and Abbreviations

Douglas Partners' reports, investigation logs, and other correspondence may use terminology which has quantitative or qualitative connotations. To remove ambiguity or uncertainty surrounding the use of such terms, the following sets of notes pages may be attached Douglas Partners' reports, depending on the work performed and conditions encountered:

- Soil Descriptions;
- Rock Descriptions; and
- Sampling, insitu testing, and drilling methodologies

In addition to these pages, the following notes generally apply to most documents.

Abbreviation Codes

Site conditions may also be presented in a number of different formats, such as investigation logs, field mapping, or as a written summary. In some of these formats textual or symbolic terminology may be presented using textual abbreviation codes or graphic symbols, and, where commonly used, these are listed alongside the terminology definition. For ease of identification in these note pages, textual codes are presented in these notes in the following style **XW**. Code usage conforms with the following guidelines:

- Textual codes are case insensitive, although herein they are generally presented in upper case; and
- Textual codes are contextual (i.e. the same or similar combinations of characters may be used in different contexts with different meanings (for example `PL` is used for plastic limit in the context of soil moisture condition, as well as in `PL(A)` for point load test result in the testing results column)).

Data Integrity Codes

Subsurface investigation data recorded by Douglas Partners is generally managed in a highly structured database environment, where records "span" between a top and bottom depth interval. Depth interval "gaps" between records are considered to introduce ambiguity, and, where appropriate, our practice guidelines may require contiguous data sets. Recording meaningful data is not always appropriate (for example assigning a "strength" to a concrete pavement) and the following codes may be used to maintain contiguity in such circumstances.

Term	Description	Abbreviation Code
Core loss	No core recovery	KL
Unknown	Information was not available to allow classification of the property. For example, when auguring in loose, saturated sand auger cuttings may not be returned.	UK
No data	Information required to allow classification of the property was not available. For example if drilling is commenced from the base of a hole predrilled by others	ND
Not Applicable	Derivation of the properties not appropriate or beyond the scope of the investigation. For example providing a description of the strength of a concrete pavement	NA

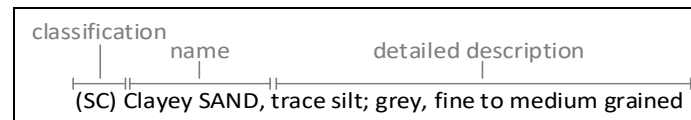
Graphic Symbols

Douglas Partners' logs contain a "graphic" column which provides a pictorial representation of the basic composition of the material. The symbols used are directly representing the material name stated in the adjacent "Description of Strata" column, and as such no specific graphic symbology legend has been provided in these notes.

intentionally blank

Introduction

All materials which are not considered to be “in-situ rock” are described in general accordance with the soil description model of AS 1726-2017 Part 6.1.3, and can be broken down into the following description structure:



The “classification” comprises a two character “group symbol” providing a general summary of dominant soil characteristics. The “name” summarises the particle sizes within the soil which most influence its behaviour. The detailed description presents more information about composition, condition, structure, and origin of the soil.

Classification, naming and description of soils require the relative proportion of particles of different sizes within the whole soil mixture to be considered.

Particle size designation and Behaviour Model

Solid particles within a soil are differentiated on the basis of size.

The engineering behaviour properties of a soil can subsequently be modelled to be either “fine grained” (also known as “cohesive” behaviour) or “coarse grained” (“non cohesive” behaviour), depending on the relative proportion of fine or coarse fractions in the soil mixture.

Particle Size Designation	Particle Size (mm)	Behaviour Model	
		Behaviour	Approximate Dry Mass
Boulder	>200	Excluded from particle behaviour model as “oversize”	
Cobble	63 - 200		
Gravel ¹	2.36 - 63	Coarse	>65%
Sand ¹	0.075 - 2.36		
Silt	0.002 - 0.075	Fine	>35%
Clay	<0.002		

¹ – refer grain size subdivision descriptions below

The behaviour model boundaries defined above are not precise, and the material behaviour should be assumed from the name given to the material (which considers the particle fraction which dominates the behaviour, refer “component proportions” below), rather than strict observance of the proportions of particle sizes. For example, if a material is named a “Sandy CLAY”, this is indicative that the material exhibits fine grained behaviour, even if the dry mass of coarse grained material may exceed 65%.

Component proportions

The relative proportion of the dry mass of each particle size fraction is assessed to be a “primary”, “secondary”, or “minor” component of the soil mixture, depending on its influence over the soil behaviour.

Component Proportion Designation	Definition ¹	Relative Proportion	
		In Fine Grained Soil	In Coarse Grained Soil
Primary	The component (particle size designation, refer above) which dominates the engineering behaviour of the soil	The clay/silt component with the greater proportion	The sand/gravel component with the greater proportion
Secondary	Any component which is not the primary, but is significant to the engineering properties of the soil	Any component with greater than 30% proportion	Any granular component with greater than 30%; or Any fine component with greater than 12%
Minor ²	Present in the soil, but not significant to its engineering properties	All other components	All other components

¹ As defined in AS1726-2017 6.1.4.4

² In the detailed material description, minor components are split into two further sub-categories. Refer “identification of minor components” below.

Composite Materials

In certain situations, a lithology description may describe more than one material, for example, collectively describing a layer of interbedded sand and clay. In such a scenario, the two materials would be described independently, with the names preceded or followed by a statement describing the arrangement by which the materials co-exist. For example, “INTERBEDDED Silty CLAY AND SAND”.

Classification

The soil classification comprises a two character group symbol. The first character identifies the primary component. The second character identifies either the grading or presence of fines in a coarse grained soil, or the plasticity in a fine grained soil. Refer AS1726-2017 6.1.6 for further clarification.

Soil Name

For most soils, the name is derived with the primary component included as the noun (in upper case), preceded by any secondary components stated in an adjective form. In this way, the soil name also describes the general composition and indicates the dominant behaviour of the material.

Component ¹	Prominence in Soil Name
Primary	Noun (eg "CLAY")
Secondary	Adjective modifier (eg "Sandy")
Minor	No influence

¹ – for determination of component proportions, refer component proportions on previous page

For materials which cannot be disaggregated, or which are not comprised of rock or mineral fragments, the names "ORGANIC MATTER" or "ARTIFICIAL MATERIAL" may be used, in accordance with AS1726-2017 Table 14.

Commercial or colloquial names are not used for the soil name where a component derived name is possible (for example "Gravelly SAND" rather than "CRACKER DUST").

Materials of "fill" or "topsoil" origin are generally assigned a name derived from the primary/secondary component (where appropriate). In log descriptions this is preceded by uppercase "FILL" or "TOPSOIL". Origin uncertainty is indicated in the description by the characters (?), with the degree of uncertainty described (using the terms "probably" or "possibly" in the origin column, or at the end of the description).

Identification of minor components

Minor components are identified in the soil description immediately following the soil name. The minor component fraction is usually preceded with a term indicating the relative proportion of the component.

Minor Component Proportion Term	Relative Proportion	
	In Fine Grained Soil	In Coarse Grained Soil
With	All fractions: 15-30%	Clay/silt: 5-12% sand/gravel: 15-30%
Trace	All fractions: 0-15%	Clay/silt: 0-5% sand/gravel: 0-15%

The terms "with" and "trace" generally apply only to gravel or fine particle fractions. Where cobbles/boulders are encountered in minor proportions (generally less than about 12%) the term "occasional" may be used. This term describes the sporadic distribution of the material within the confines of the investigation excavation only, and there may be considerable variation in proportion over a wider area which is difficult to factually characterise due to the relative size of the particles and the investigation methods.

Soil Composition

Plasticity

Descriptive Term	Laboratory liquid limit range	
	Silt	Clay
Non-plastic materials	Not applicable	Not applicable
Low plasticity	≤50	≤35
Medium plasticity	Not applicable	>35 and ≤50
High plasticity	>50	>50

Note, Plasticity descriptions generally describe the plasticity behaviour of the whole of the fine grained soil, not individual fine grained fractions.

Grain Size

Type	Particle size (mm)	
	Coarse	Fine
Gravel	19 - 63	6.7 - 19
	6.7 - 19	2.36 - 6.7
	2.36 - 6.7	0.6 - 2.36
Sand	0.6 - 2.36	0.21 - 0.6
	0.21 - 0.6	0.075 - 0.21
	0.075 - 0.21	

Grading

Grading Term	Particle size (mm)
Well	A good representation of all particle sizes
Poorly	An excess or deficiency of particular sizes within the specified range
Uniformly	Essentially of one size
Gap	A deficiency of a particular size or size range within the total range

Note, AS1726-2017 provides terminology for additional attributes not listed here.

Soil Condition

Moisture

The moisture condition of soils is assessed relative to the plastic limit for fine grained soils, while for coarse grained soils it is assessed based on the appearance and feel of the material. The moisture condition of a material is considered to be independent of stratigraphy (although commonly these are related), and this data is presented in its own column on logs.

Applicability	Term	Tactile Assessment	Abbreviation code
Fine	Dry of plastic limit	Hard and friable or powdery	w<PL
	Near plastic limit	Can be moulded	w=PL
	Wet of plastic limit	Water residue remains on hands when handling	w>PL
	Near liquid limit	"oozes" when agitated	w=LL
	Wet of liquid limit	"oozes"	w>LL
Coarse	Dry	Non-cohesive and free running	D
	Moist	Feels cool, darkened in colour, particles may stick together	M
	Wet	Feels cool, darkened in colour, particles may stick together, free water forms when handling	W

The abbreviation code **NDF**, meaning "not-assessable due to drilling fluid use" may also be used.

Note, observations relating to free ground water or drilling fluids are provided independent of soil moisture condition.

Consistency/Density/Compaction/Cementation/Extremely Weathered Material

These concepts give an indication of how the material may respond to applied forces (when considered in conjunction with other attributes of the soil). This behaviour can vary independent of the composition of the material, and on logs these are described in an independent column and are generally mutually exclusive (i.e it is inappropriate to describe both consistency and compaction at the same time). The method by which the behaviour is described depends on the behaviour model and other characteristics of the soil as follows:

- In fine grained soils, the "consistency" describes the ease with which the soil can be remoulded, and is generally correlated against the materials undrained shear strength;
- In granular materials, the relative density describes how tightly packed the particles are, and is generally correlated against the density index;
- In anthropogenically modified materials, the compaction of the material is described qualitatively;
- In cemented soils (both natural and anthropogenic), the cemented "strength" is described qualitatively, relative to the difficulty with which the material is disaggregated; and
- In soils of extremely weathered material origin, the engineering behaviour may be governed by relic rock features, and expected behaviour needs to be assessed based the overall material description.

Quantitative engineering performance of these materials may be determined by laboratory testing or estimated by correlated field tests (for example penetration or shear vane testing). In some cases, performance may be assessed by tactile or other subjective methods, in which case investigation logs will show the estimated value enclosed in round brackets, for example **(VS)**.

Consistency (fine grained soils)

Consistency Term	Tactile Assessment	Undrained Shear Strength (kPa)	Abbreviation Code
Very soft	Extrudes between fingers when squeezed	<12	VS
Soft	Mouldable with light finger pressure	>12 - ≤25	S
Firm	Mouldable with strong finger pressure	>25 - ≤50	F
Stiff	Cannot be moulded by fingers	>50 - ≤100	St
Very stiff	Indented by thumbnail	>100 - ≤200	VSt
Hard	Indented by thumbnail with difficulty	>200	H
Friable	Easily crumbled or broken into small pieces by hand	-	Fr

Relative Density (coarse grained soils)

Relative Density Term	Density Index	Abbreviation Code
Very loose	<15	VL
Loose	>15 - ≤35	L
Medium dense	>35 - ≤65	MD
Dense	>65 - ≤85	D
Very dense	>85	VD

Note, tactile assessment of relative density is difficult, and generally requires penetration testing, hence a tactile assessment guide is not provided.

Compaction (anthropogenically modified soil)

Compaction Term	Abbreviation Code
Well compacted	WC
Poorly compacted	PC
Moderately compacted	MC
Variably compacted	VC

Cementation (natural and anthropogenic)

Cementation Term	Abbreviation Code
Moderately cemented	MOD
Weakly cemented	WEK

Extremely Weathered Material

AS1726-2017 considers weathered material to be soil if the unconfined compressive strength is less than 0.6 MPa (i.e. less than very low strength rock). These materials may be identified as “extremely weathered material” in reports and by the abbreviation code **XWM** on log sheets. This identification is not correlated to any specific qualitative or quantitative behaviour, and the engineering properties of this material must therefore be assessed according to engineering principles with reference to any relic rock structure, fabric, or texture described in the description.

Soil Origin

Term	Description	Abbreviation Code
Residual	Derived from in-situ weathering of the underlying rock	RS
Extremely weathered material	Formed from in-situ weathering of geological formations. Has strength of less than ‘very low’ as per as1726 but retains the structure or fabric of the parent rock.	XWM
Alluvial	Deposited by streams and rivers	ALV
Fluvial	Deposited by channel fill and overbank (natural levee, crevasse splay or flood basin)	FLV
Estuarine	Deposited in coastal estuaries	EST
Marine	Deposited in a marine environment	MAR
Lacustrine	Deposited in freshwater lakes	LAC
Aeolian	Carried and deposited by wind	AEO
Colluvial	Soil and rock debris transported down slopes by gravity	COL
Slopewash	Thin layers of soil and rock debris gradually and slowly deposited by gravity and possibly water	SW
Topsoil	Mantle of surface soil, often with high levels of organic material	TOP
Fill	Any material which has been moved by man	FILL
Littoral	Deposited on the lake or seashore	LIT
Unidentifiable	Not able to be identified	UID

Cobbles and Boulders

The presence of particles considered to be “oversize” may be described using one of the following strategies:

- Oversize encountered in a minor proportion (when considered relative to the wider area) are noted in the soil description; or
- Where a significant proportion of oversize is encountered, the cobbles/boulders are described independent of the soil description, in a similar manner to composite soils (described above) but qualified with “MIXTURE OF”.

intentionally blank

Sampling and Testing

A record of samples retained, and field testing performed is usually shown on a Douglas Partners' log with samples appearing to the left of a depth scale, and selected field and laboratory testing (including results, where relevant) appearing to the right of the scale, as illustrated below:

SAMPLE			DEPTH (m)	TESTING	
SAMPLE REMARKS	TYPE	INTERVAL		TEST TYPE	RESULTS AND REMARKS
	SPT		1.0 1.45	SPT	4,9,11 N=20

Sampling

The type or intended purpose for which a sample was taken is indicated by the following abbreviation codes.

Sample Type	Code
Auger sample	A
Acid Sulfate sample	ASS
Bulk sample	B
Core sample	C
Disturbed sample	D
Environmental sample	ES
Driven Tube sample	DT
Gas sample	G
Piston sample	P
Sample from SPT test	SPT
Undisturbed tube sample	U ¹
Water sample	W
Material Sample	MT
Core sample for unconfined compressive strength testing	UCS

¹ – numeric suffixes indicate tube diameter/width in mm

The above codes only indicate that a sample was retained, and not that testing was scheduled or performed.

Field and Laboratory Testing

A record that field and laboratory testing was performed is indicated by the following abbreviation codes.

Test Type	Code
Pocket penetrometer (kPa)	PP
Photo ionisation detector (ppm)	PID
Standard Penetration Test x/y = x blows for y mm penetration HB = hammer bouncing HW = fell under weight of hammer	SPT
Shear vane (kPa)	V
Unconfined compressive strength, (MPa)	UCS
Point load test, (MPa), axial (A), diametric (D), irregular (I)	PLT(-)
Dynamic cone penetrometer, followed by blow count penetration increment in mm (cone tip, generally in accordance with AS1289.6.3.2)	DCP9/150
Perth sand penetrometer, followed by blow count penetration increment in mm (flat tip, generally in accordance with AS1289.6.3.3)	PSP/150
Dynamic probe super heavy, followed by blow count penetration increment in mm	DPSH/100

Groundwater Observations

	water seepage/inflow
	water seepage/outflow
	standing or observed water level
NFGWO	no free groundwater observed
OBS	observations obscured by drilling fluids

Drilling or Excavation Methods/Tools

The drilling/excavation methods used to perform the investigation may be shown either in a dedicated column down the left-hand edge of the log, or stated in the log footer. In some circumstances abbreviation codes may be used.

Method	Abbreviation Code
Direct Push	DP
Solid flight auger. Suffixes: /T = tungsten carbide tip, /V = v-shaped tip	AD ¹
Air Track	AT
Diatube	DT ¹
Hand auger	HA ¹
Hand tools (unspecified)	HAND
Existing exposure	X
Hollow flight auger	HSA ¹
HQ coring	HQ3
HMLC series coring	HMLC
NMLC series coring	NMLC
NQ coring	NQ3
PQ coring	PQ3
Predrilled	PD
Push tube	PT ¹
Ripping tyne/ripper	R
Rock roller	RR ¹
Rock breaker/hydraulic hammer	EH
Sonic drilling	SON ¹
Mud/blade bucket	MB ¹
Toothed bucket	TB ¹
Vibrocore	VC ¹
Vacuum excavation	VE
Wash bore (unspecified bit type)	WB ¹

¹ – numeric suffixes indicate tool diameter/width in mm

Appendix H

Photographic Plates



Photograph 1 - Nurses quarters at 72 Menangle Road.



Photograph 2 - Potential fill at northern end of 72 Menangle Road.



Site Photographs
Preliminary Site Investigation
72 & 82-86 Menangle Road, Camden NSW
CLIENT: Homes NSW

PROJECT:	239951.00
PLATE No:	1
REV:	0
DATE:	Apr-26



Photograph 3 - Drainage pit on northern side of nurses quarters at 72 Menangle Road.



Photograph 4 - Potential fill to the immediate north of the nurses quarters at 72 Menangle Road.



Site Photographs

Preliminary Site Investigation

72 & 82-86 Menangle Road, Camden NSW

CLIENT: Homes NSW

PROJECT: 239951.00

PLATE No: 2

REV: 0

DATE: Apr-26



Photograph 5 - Southern side of nurses quarters at 72 Menangle Road.



Photograph 6 - Groundwater monitoring wells in carpark to the northeast of nurses quarters



Site Photographs
Preliminary Site Investigation
72 & 82-86 Menangle Road, Camden NSW
CLIENT: Homes NSW

PROJECT:	239951.00
PLATE No:	3
REV:	0
DATE:	Apr-26



Photograph 7 - Health services building at 82 Menangle Road.



Photograph 8 - Fragments of bonded potential asbestos containing material (PACM) on ground surface beneath building at 82 Menangle Road.



Photograph 9 - Fragments of bonded PACM on ground surface of southern side of building at 82 Menangle Road.



Photograph 10 - Building at 84 Menangle Road constructed of PACM sheeting



Site Photographs

Preliminary Site Investigation

72 & 82-86 Menangle Road, Camden NSW

CLIENT: Homes NSW

PROJECT: 239951.00

PLATE No: 5

REV: 0

DATE: Apr-26



Photograph 11 - Fragments of bonded PACM on ground surface beneath building at 84 Menangle Road.



Photograph 12 - Rubbish pile on the north eastern portion of 84 Menangle Road comprising timber, styrofoam, cardboard and plastic.



Photograph 13 - Building at 86 Menangle Road constructed of PACM sheeting



Photograph 14 - Fragments of bonded PACM on ground surface beneath building at 86 Menangle Road.



Photograph 15 - Building at 86 Menangle Road



Photograph 16 - Camden Hospital located to the northwest of the site.



Site Photographs
 Preliminary Site Investigation
 72 & 82-86 Menangle Road, Camden NSW
 CLIENT: Homes NSW

PROJECT:	239951.00
PLATE No:	8
REV:	0
DATE:	Apr-26



Photograph 17 - Residential properties located to the east of the site.



Photograph 18 - Residential apartments located to the south of the site



Photograph 19 - TP8 Soil Strata Profile



Photograph 20 - TP6



Site Photographs

Preliminary Site Investigation

72 & 82-86 Menangle Road, Camden NSW

CLIENT: Homes NSW

PROJECT: 239951.00

PLATE No: 10

REV: 0

DATE: Apr-26



Photograph 21 - TP3



Photograph 22 - BH101



Site Photographs

Preliminary Site Investigation

72 & 82-86 Menangle Road, Camden NSW

CLIENT: Homes NSW

PROJECT: 239951.00

PLATE No: 11

REV: 0

DATE: Apr-26



Photograph 23 - BH103



Photograph 24 - BH107

Appendix I

Laboratory Certificate of Analysis, Chain of Custody Documentation, and Sample Receipt Advice

Project No: 239951.00	Suburb: Camden	To: Envirolab Services
Project Manager: Grant Russell	Order Number:	Sampler: ST AS
Email: laboratory+68ff061edd8b9@datanest.earth Grant.Russell@douglaspartners.com.au Shannon.Tully@douglaspartners.com.au		Attn: Sample Receipt
Turnaround time: ☒ Standard ☐ 72 hour ☐ 48 hour ☐ 24 hour ☐ Same day		(02) 9910 6200 samlereceipt@envirolab.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			Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements
	Location / Other ID	Depth From	Depth To		S - soil W - water M - Material	G - glass P - plastic	Metals	PAH	TRH and BTEX	OCP/OPP/PCB	Asbestos NEPM	Total Phenols	PFAS (extended)	pH	EC	Hold	
1	TP1	0	0.1	19/02/26	S	G & P	x	x	x	x	x		x				
2	TP2	0	0.1	19/02/26	S	G & P	x	x	x	x	x						
3	TP2	0.3	0.4	19/02/26	S	G & P										x	
4	TP3	0	0.1	19/02/26	S	G & P	x	x	x	x	x	x					
5	TP3	0.4	0.5	19/02/26	S	G & P	x	x	x		x						
6	TP4	0	0.1	19/02/26	S	G & P	x	x	x	x	x						
7	TP4	0.4	0.5	19/02/26	S	G & P	x	x	x		x						
8	TP5	0	0.1	19/02/26	S	G & P	x	x	x	x	x						
9	TP6	0	0.1	19/02/26	S	G & P	x	x	x		x						
10	TP7	0	0.1	19/02/26	S	G & P	x	x	x		x						
11	TP8	0	0.1	19/02/26	S	G & P	x	x	x	x	x		x				
12	BH101	0	0.1	19/02/26	S	G & P	x	x	x	x	x		x				
13	BH101	0.4	0.5	19/02/26	S	G & P								x	x		
14	BH102	0	0.1	19/02/26	S	G & P	x	x	x		x						

Envirolab Services
 12 Ashley St
 Chatswood NSW 2067
 Ph: (02) 9910 6200
 Job No: 402843
 Date Received: 24/2/26
 Time Received: 16:20
 Received By: KHZ
 Temp: Cool/Ambient
 Cooling: Ice/Icepack
 Security: Intact/Broken/None

Metals to analyse:		LAB RECEIPT	
Number of samples in container:		Lab Ref. No: 402843	
Send results to: Douglas Partners Pty Ltd		Received by: KHZ	
Address: 18 Waler Crescent, Smeaton Grange NSW		Date & Time: 16:20 24/2/26	
Relinquished by: Shannon Tully		Signed: KHZ	
Phone: (02) 4647 0075		Signed: R/Horran	
Date: 24/2/26			

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239951.00		Suburb: Camden												To: Envirolab Services					
Project Manager: Grant Russell		Dispatch date: 0/01/1900																	
Lab ID	Sample ID			Date Sampled	Sample Type S - soil W - water M - Material	Container Type G - glass P - plastic	Analytes												Notes/ Preservation/ Additional Requirements
	Location / Other ID	Depth From	Depth To				Metals	PAH	TRH and BTEX	OCP/OPP/PCB	Asbestos NEPM	Total Phenols	PFAS (extended)	pH	EC	Hold			
15	BH102	0.4	0.5	19/02/26	S	G & P	x	x	x		x								
16	BH102	0.9	1	19/02/26	S	G & P											x		
17	BH102	1.4	1.5	19/02/26	S	G & P											x		
18	BH102	1.9	2	19/02/26	S	G & P											x		
19	BH103	0	0.1	19/02/26	S	G & P	x	x	x		x		x						
20	BH103	0.4	0.5	19/02/26	S	G & P											x		
21	BH104	0	0.1	19/02/26	S	G & P	x	x	x	x	x		x						
22	BH104	0.4	0.5	19/02/26	S	G & P											x		
23	BH104	0.9	1	19/02/26	S	G & P	x	x	x										
24	BH105	0	0.1	19/02/26	S	G & P	x	x	x	x	x								
25	BH105	0.4	0.5	19/02/26	S	G & P					x								
26	BH105	0.9	1	19/02/26	S	G & P											x		
27	BH106	0	0.1	19/02/26	S	G & P	x	x	x		x								
28	BH106	0.4	0.5	19/02/26	S	G & P								x	x				
29	BH107	0	0.1	19/02/26	S	G & P	x	x	x	x	x		x						
30	BH107	0.4	0.5	19/02/26	S	G & P											x		
31	BH107	0.9	1	19/02/26	S	G & P											x		
32	BH108	0	0.1	19/02/26	S	G & P	x	x	x	x	x								

Project No: 239951.00		Suburb: Camden										To: Envirolab Services						
Project Manager: Grant Russell												Dispatch date: 0/01/1900						
Lab ID	Sample ID			Date Sampled	Sample Type S - soil W - water M - Material	Container Type G - glass P - plastic	Analytes											Notes/ Preservation/ Additional Requirements
	Location / Other ID	Depth From	Depth To				Metals	PAH	TRH and BTEX	OCPP/OPP/PCB	Asbestos NEPM	Total Phenols	PFAS (extended)	pH	EC	Hold		
33	BH108	0.4	0.5	19/02/26	S	G & P								x	x			
34	BH109	0	0.1	19/02/26	S	G & P	x	x	x			x						
35	BH109	0.4	0.5	19/02/26	S	G & P										x		
36	BH110	0	0.1	19/02/26	S	G & P	x	x	x	x	x	x	x					
37	BH110	0.4	0.5	19/02/26	S	G & P										x		
38	Trip Spike			19/02/26	S	G			x									
39	Trip Blank			19/02/26	S	G			x									
40	BD1/260219			19/02/26	S	G	x	x	x									
41	BD3/260219			19/02/26	S	G	x	x	x									
42	B02 (added KHZ)																	
43	112/101																	
44	0.5																	
44	BH110	1.0																

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Grant Russell

Sample Login Details

Your reference	239951.00, Camden
Envirolab Reference	402843
Date Sample Received	24/02/2026
Date Instructions Received	24/02/2026
Date Results Expected to be Reported	04/03/2026

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	44 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	20
Cooling Method	None
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie

Phone: 02 9910 6200
Fax: 02 9910 6201
Email: ahie@envirolab.com.au

Jacinta Hurst

Phone: 02 9910 6200
Fax: 02 9910 6201
Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:

Sample ID	PFAS in Soils Extended	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Misc Soil - Inorg	Acid Extractable metals in soil	Asbestos ID - Soils (NEPM)	Misc Inorg - Soil	On Hold
TP1-0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	✓		
TP2-0-0.1		✓	✓	✓	✓	✓	✓		✓	✓		
TP2-0.3-0.4												✓
TP3-0-0.1		✓	✓	✓	✓	✓	✓	✓	✓	✓		
TP3-0.4-0.5		✓	✓	✓					✓	✓		
TP4-0-0.1		✓	✓	✓	✓	✓	✓		✓	✓		
TP4-0.4-0.5		✓	✓	✓					✓	✓		
TP5-0-0.1		✓	✓	✓	✓	✓	✓		✓	✓		
TP6-0-0.1		✓	✓	✓					✓	✓		
TP7-0-0.1		✓	✓	✓					✓	✓		
TP8-0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	✓		
BH101-0-0.1	✓	✓	✓	✓	✓	✓	✓		✓			
BH101-0.4-0.5											✓	
BH102-0-0.1		✓	✓	✓					✓	✓		
BH102-0.4-0.5		✓	✓	✓					✓	✓		
BH102-0.96-1												✓
BH102-1.4-1.5												✓
BH102-1.9-2												✓
BH103-0-0.1	✓	✓	✓	✓					✓	✓		
BH103-0.4-0.5												✓
BH104-0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	✓		
BH104-0.4-0.5												✓
BH104-0.9-1		✓	✓	✓					✓			
BH105-0-0.1		✓	✓	✓	✓	✓	✓		✓	✓		
BH105-0.4-0.5										✓		
BH105-0.9-1												✓
BH106-0-0.1		✓	✓	✓					✓			
BH106-0.4-0.5											✓	
BH107-0-0.1	✓	✓	✓	✓	✓	✓	✓		✓			
BH107-0.4-0.5												✓
BH107-0.9-1												✓
BH108-0-0.1		✓	✓	✓	✓	✓	✓		✓	✓		

Sample ID	PFAS in Soils Extended	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Misc Soil - Inorg	Acid Extractable metals in soil	Asbestos ID - Soils (NEPM)	Misc Inorg - Soil	On Hold
BH108-0.4-0.5											✓	
BH109-0-0.1	✓	✓	✓	✓					✓	✓		
BH109-0.4-0.5												✓
BH110-0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BH110-0.4-0.5												✓
Trip Spike		✓										
Trip Blank		✓										
BD1/260219		✓	✓	✓					✓			
BD3/260219		✓	✓	✓					✓			
BD2												✓
0.5-0.5												✓
BH110-1.0												✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

We acknowledge receipt of your samples and Purchase Order (PO) (if provided). If a PO includes your terms & conditions, Envirolab hereby expressly rejects and will not be bound by any external or third-party terms and conditions, including those referenced or attached to a PO.

All services to be performed by Envirolab will be governed exclusively by Envirolab's General Terms and Conditions attached to this acknowledgement ([Envirolab Terms](#)) via hyperlink or found on our websites.

If you do not object in writing within two (2) business days of the date of this acknowledgement, you will be deemed to have accepted the Envirolab Terms. In addition, your provision of further instructions, additional samples, payment of any invoice, or acceptance of services or results from Envirolab will constitute acceptance of the Envirolab Terms. For clarity, Envirolab's commencement or continuation of work following receipt of the PO is performed solely under the Envirolab Terms and does not constitute acceptance of any external terms. All rights are expressly reserved.

CERTIFICATE OF ANALYSIS 402843

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Grant Russell
Address	18 Waler Crescent, Smeaton Grange, NSW, 2567

Sample Details

Your Reference	<u>239951.00, Camden</u>
Number of Samples	44 Soil
Date samples received	24/02/2026
Date completed instructions received	24/02/2026

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	04/03/2026
Date of Issue	04/03/2026

NATA Accreditation Number 2901. This document shall not be reproduced except in full.

Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By

Analysed by Asbestos Approved Analyst: Nyovan Moonean, Matt Richardson

Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Amanda Chui, LC/Air Toxics Supervisor

Dragana Tomas, Senior Chemist

Larry Ye, Senior Chemist

Liam Timmins, Organics Supervisor

Lucy Zhu, Asbestos Supervisor

Nancy Zhang, Laboratory Manager, Sydney

Steven Luong, Senior Chemist

Authorised By

Nancy Zhang, Laboratory Manager

PFAS in Soils Extended						
Our Reference		402843-1	402843-11	402843-12	402843-19	402843-21
Your Reference	UNITS	TP1	TP8	BH101	BH103	BH104
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
Perfluorobutanesulfonic acid	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanesulfonic acid	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorohexanesulfonic acid - PFHxS	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoroheptanesulfonic acid	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorooctanesulfonic acid PFOS	µg/kg	0.5	0.1	0.7	0.3	0.7
Perfluorodecanesulfonic acid	µg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Perfluorobutanoic acid	µg/kg	0.3	<0.2	<0.2	<0.2	<0.2
Perfluoropentanoic acid	µg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Perfluorohexanoic acid	µg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Perfluoroheptanoic acid	µg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Perfluorooctanoic acid PFOA	µg/kg	0.2	<0.1	0.2	<0.1	0.4
Perfluorononanoic acid	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorodecanoic acid	µg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Perfluoroundecanoic acid	µg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Perfluorododecanoic acid	µg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Perfluorotridecanoic acid	µg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Perfluorotetradecanoic acid	µg/kg	<5	<5	<5	<5	<5
4:2 FTS	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
6:2 FTS	µg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
8:2 FTS	µg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
10:2 FTS	µg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Perfluorooctane sulfonamide	µg/kg	<1	<1	<1	<1	<1
N-Methyl perfluorooctane sulfonamide	µg/kg	<1	<1	<1	<1	<1
N-Ethyl perfluorooctanesulfonamide	µg/kg	<1	<1	<1	<1	<1
N-Me perfluorooctanesulfonamid oethanol	µg/kg	<1	<1	<1	<1	<1
N-Et perfluorooctanesulfonamid oethanol	µg/kg	<5	<5	<5	<5	<5
MePerfluorooctanesulf- amid oacetic acid	µg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EtPerfluorooctanesulf amid oacetic acid	µg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate ¹³ C ₈ PFOS	%	99	97	92	102	101
Surrogate ¹³ C ₂ PFOA	%	101	95	101	102	99
Extracted ISTD ¹³ C ₃ PFBS	%	99	100	105	91	98
Extracted ISTD ¹⁸ O ₂ PFHxS	%	93	95	96	89	95
Extracted ISTD ¹³ C ₄ PFOS	%	99	100	100	92	98

PFAS in Soils Extended						
Our Reference		402843-1	402843-11	402843-12	402843-19	402843-21
Your Reference	UNITS	TP1	TP8	BH101	BH103	BH104
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Extracted ISTD ¹³ C ₄ PFBA	%	102	100	94	96	102
Extracted ISTD ¹³ C ₃ PFPeA	%	100	100	98	94	99
Extracted ISTD ¹³ C ₂ PFHxA	%	95	101	102	88	94
Extracted ISTD ¹³ C ₄ PFHpA	%	98	94	94	92	96
Extracted ISTD ¹³ C ₄ PFOA	%	97	96	94	93	101
Extracted ISTD ¹³ C ₅ PFNA	%	98	101	97	90	98
Extracted ISTD ¹³ C ₂ PFDA	%	102	93	96	94	101
Extracted ISTD ¹³ C ₂ PFUnDA	%	90	94	97	93	79
Extracted ISTD ¹³ C ₂ PFDoDA	%	94	96	102	99	91
Extracted ISTD ¹³ C ₂ PFTeDA	%	164	147	147	150	159
Extracted ISTD ¹³ C ₂ 4:2FTS	%	95	96	95	90	95
Extracted ISTD ¹³ C ₂ 6:2FTS	%	94	89	89	86	97
Extracted ISTD ¹³ C ₂ 8:2FTS	%	90	92	93	89	90
Extracted ISTD ¹³ C ₈ FOSA	%	98	114	114	100	86
Extracted ISTD d ₃ N MeFOSA	%	94	104	98	93	85
Extracted ISTD d ₅ N EtFOSA	%	96	109	101	91	94
Extracted ISTD d ₇ N MeFOSE	%	90	101	99	89	90
Extracted ISTD d ₉ N EtFOSE	%	94	101	98	88	92
Extracted ISTD d ₃ N MeFOSAA	%	83	78	76	83	81
Extracted ISTD d ₅ N EtFOSAA	%	86	80	80	88	81
Total Positive PFHxS & PFOS	µg/kg	0.5	0.1	0.7	0.3	0.7
Total Positive PFOS & PFOA	µg/kg	0.7	0.1	0.8	0.3	1.1
Total Positive PFAS	µg/kg	1	0.1	0.8	0.3	1.3

PFAS in Soils Extended				
Our Reference		402843-29	402843-34	402843-36
Your Reference	UNITS	BH107	BH109	BH110
Depth		0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil
Date prepared	-	26/02/2026	26/02/2026	02/03/2026
Date analysed	-	27/02/2026	27/02/2026	02/03/2026
Perfluorobutanesulfonic acid	µg/kg	<0.1	<0.1	<0.1
Perfluoropentanesulfonic acid	µg/kg	<0.1	<0.1	<0.1
Perfluorohexanesulfonic acid - PFHxS	µg/kg	<0.1	<0.1	<0.1
Perfluoroheptanesulfonic acid	µg/kg	<0.1	<0.1	<0.1
Perfluorooctanesulfonic acid PFOS	µg/kg	0.5	1.2	1.2
Perfluorodecanesulfonic acid	µg/kg	<0.2	<0.2	<0.2
Perfluorobutanoic acid	µg/kg	<0.2	0.2	<0.2
Perfluoropentanoic acid	µg/kg	<0.2	<0.2	<0.2
Perfluorohexanoic acid	µg/kg	<0.1	<0.1	0.1
Perfluoroheptanoic acid	µg/kg	<0.1	<0.1	0.2
Perfluorooctanoic acid PFOA	µg/kg	0.3	0.3	0.6
Perfluorononanoic acid	µg/kg	<0.1	<0.1	0.3
Perfluorodecanoic acid	µg/kg	<0.5	<0.5	0.8
Perfluoroundecanoic acid	µg/kg	<0.5	<0.5	0.7
Perfluorododecanoic acid	µg/kg	<0.5	<0.5	0.6
Perfluorotridecanoic acid	µg/kg	<0.5	<0.5	<0.5
Perfluorotetradecanoic acid	µg/kg	<5	<5	<5
4:2 FTS	µg/kg	<0.1	<0.1	<0.1
6:2 FTS	µg/kg	<0.1	<0.1	<0.1
8:2 FTS	µg/kg	<0.2	<0.2	<0.2
10:2 FTS	µg/kg	<0.2	<0.2	<0.2
Perfluorooctane sulfonamide	µg/kg	<1	<1	<1
N-Methyl perfluorooctane sulfonamide	µg/kg	<1	<1	<1
N-Ethyl perfluorooctanesulfonamide	µg/kg	<1	<1	<1
N-Me perfluorooctanesulfonamid oethanol	µg/kg	<1	<1	<1
N-Et perfluorooctanesulfonamid oethanol	µg/kg	<5	<5	<5
MePerfluorooctanesulf- amid oacetic acid	µg/kg	<0.2	<0.2	<0.2
EtPerfluorooctanesulf amid oacetic acid	µg/kg	<0.2	<0.2	0.3
Surrogate ¹³ C ₈ PFOS	%	101	102	103
Surrogate ¹³ C ₂ PFOA	%	99	97	102
Extracted ISTD ¹³ C ₃ PFBS	%	100	91	80
Extracted ISTD ¹⁸ O ₂ PFHxS	%	87	87	84
Extracted ISTD ¹³ C ₄ PFOS	%	92	91	82

PFAS in Soils Extended				
Our Reference		402843-29	402843-34	402843-36
Your Reference	UNITS	BH107	BH109	BH110
Depth		0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil
Extracted ISTD ¹³ C ₄ PFBA	%	98	92	72
Extracted ISTD ¹³ C ₃ PFPeA	%	97	96	83
Extracted ISTD ¹³ C ₂ PFHxA	%	89	92	84
Extracted ISTD ¹³ C ₄ PFHpA	%	92	91	84
Extracted ISTD ¹³ C ₄ PFOA	%	95	97	87
Extracted ISTD ¹³ C ₅ PFNA	%	95	92	87
Extracted ISTD ¹³ C ₂ PFDA	%	94	94	85
Extracted ISTD ¹³ C ₂ PFUnDA	%	92	88	76
Extracted ISTD ¹³ C ₂ PFDoDA	%	97	96	87
Extracted ISTD ¹³ C ₂ PFTeDA	%	150	144	178
Extracted ISTD ¹³ C ₂ 4:2FTS	%	93	87	81
Extracted ISTD ¹³ C ₂ 6:2FTS	%	89	89	85
Extracted ISTD ¹³ C ₂ 8:2FTS	%	90	86	83
Extracted ISTD ¹³ C ₈ FOSA	%	102	99	89
Extracted ISTD d ₃ N MeFOSA	%	93	90	82
Extracted ISTD d ₅ N EtFOSA	%	93	96	88
Extracted ISTD d ₇ N MeFOSE	%	87	92	85
Extracted ISTD d ₉ N EtFOSE	%	90	92	84
Extracted ISTD d ₃ N MeFOSAA	%	86	88	73
Extracted ISTD d ₅ N EtFOSAA	%	92	85	72
Total Positive PFHxS & PFOS	µg/kg	0.5	1.2	1.2
Total Positive PFOS & PFOA	µg/kg	0.8	1.5	1.8
Total Positive PFAS	µg/kg	0.8	1.7	4.7

vTRH(C6-C10)/BTEXN in Soil						
Our Reference	UNITS	402843-1	402843-2	402843-4	402843-5	402843-6
Your Reference		TP1	TP2	TP3	TP3	TP4
Depth		0-0.1	0-0.1	0-0.1	0.4-0.5	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTRH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	106	102	102	100	105

vTRH(C6-C10)/BTEXN in Soil						
Our Reference	UNITS	402843-7	402843-8	402843-9	402843-10	402843-11
Your Reference		TP4	TP5	TP6	TP7	TP8
Depth		0.4-0.5	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTRH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	100	112	105	105	104

vTRH(C6-C10)/BTEXN in Soil

Our Reference		402843-12	402843-14	402843-15	402843-19	402843-21
Your Reference	UNITS	BH101	BH102	BH102	BH103	BH104
Depth		0-0.1	0-0.1	0.4-0.5	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTRH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	109	106	111	105	101

vTRH(C6-C10)/BTEXN in Soil

Our Reference		402843-23	402843-24	402843-27	402843-29	402843-32
Your Reference	UNITS	BH104	BH105	BH106	BH107	BH108
Depth		0.9-1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTRH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	106	115	109	107	111

vTRH(C6-C10)/BTEXN in Soil

Our Reference		402843-34	402843-36	402843-38	402843-39	402843-40
Your Reference	UNITS	BH109	BH110	Trip Spike	Trip Blank	BD1/260219
Depth		0-0.1	0-0.1	-	-	-
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	26/02/2026	25/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
TRH C ₆ - C ₉	mg/kg	<25	<25	[NA]	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	[NA]	<25	<25
vTRH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	[NA]	<25	<25
Benzene	mg/kg	<0.2	<0.2	101%	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	102%	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	101%	<1	<1
m+p-xylene	mg/kg	<2	<2	101%	<2	<2
o-Xylene	mg/kg	<1	<1	100%	<1	<1
Naphthalene	mg/kg	<1	<1	[NA]	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	[NA]	<1	<1
Surrogate aaa-Trifluorotoluene	%	107	112	101	114	106

vTRH(C6-C10)/BTEXN in Soil

Our Reference		402843-41
Your Reference	UNITS	BD3/260219
Depth		-
Date Sampled		19/02/2026
Type of sample		Soil
Date extracted	-	25/02/2026
Date analysed	-	27/02/2026
TRH C ₆ - C ₉	mg/kg	<25
TRH C ₆ - C ₁₀	mg/kg	<25
vTRH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25
Benzene	mg/kg	<0.2
Toluene	mg/kg	<0.5
Ethylbenzene	mg/kg	<1
m+p-xylene	mg/kg	<2
o-Xylene	mg/kg	<1
Naphthalene	mg/kg	<1
Total +ve Xylenes	mg/kg	<1
Surrogate aaa-Trifluorotoluene	%	111

svTRH (C10-C40) in Soil						
Our Reference	UNITS	402843-1	402843-2	402843-4	402843-5	402843-6
Your Reference		TP1	TP2	TP3	TP3	TP4
Depth		0-0.1	0-0.1	0-0.1	0.4-0.5	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	65	63	73	75	64

svTRH (C10-C40) in Soil						
Our Reference	UNITS	402843-7	402843-8	402843-9	402843-10	402843-11
Your Reference		TP4	TP5	TP6	TP7	TP8
Depth		0.4-0.5	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	27/02/2026
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	76	74	62	74	73

svTRH (C10-C40) in Soil

Our Reference		402843-12	402843-14	402843-15	402843-19	402843-21
Your Reference	UNITS	BH101	BH102	BH102	BH103	BH104
Depth		0-0.1	0-0.1	0.4-0.5	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	70	74	76	69	85

svTRH (C10-C40) in Soil

Our Reference		402843-23	402843-24	402843-27	402843-29	402843-32
Your Reference	UNITS	BH104	BH105	BH106	BH107	BH108
Depth		0.9-1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	120	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	260	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	380	<50	<50	<50
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	300	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	170	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	470	<50	<50	<50
Surrogate o-Terphenyl	%	88	64	71	72	71

svTRH (C10-C40) in Soil

Our Reference		402843-34	402843-36	402843-40	402843-41
Your Reference	UNITS	BH109	BH110	BD1/260219	BD3/260219
Depth		0-0.1	0-0.1	-	-
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026	27/02/2026
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	100	<50	<50
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50
TRH >C ₁₀ -C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50
Surrogate o-Terphenyl	%	71	70	69	69

PAHs in Soil						
Our Reference		402843-1	402843-2	402843-4	402843-5	402843-6
Your Reference	UNITS	TP1	TP2	TP3	TP3	TP4
Depth		0-0.1	0-0.1	0-0.1	0.4-0.5	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	27/02/2026	26/02/2026
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	0.4	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	0.6	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	0.6	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	0.3	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	0.4	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	0.8	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	0.59	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	0.4	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	0.5	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	4.6	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	0.7	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	0.8	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	0.8	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	87	88	85	103	84

PAHs in Soil						
Our Reference		402843-7	402843-8	402843-9	402843-10	402843-11
Your Reference	UNITS	TP4	TP5	TP6	TP7	TP8
Depth		0.4-0.5	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	26/02/2026	27/02/2026	27/02/2026	26/02/2026
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.2	<0.1	0.2	<0.1
Pyrene	mg/kg	<0.1	0.2	<0.1	0.2	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	0.1	0.07	0.1	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	0.5	0.07	0.5	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	99	84	96	94	84

PAHs in Soil						
Our Reference		402843-12	402843-14	402843-15	402843-19	402843-21
Your Reference	UNITS	BH101	BH102	BH102	BH103	BH104
Depth		0-0.1	0-0.1	0.4-0.5	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	27/02/2026	27/02/2026	27/02/2026	26/02/2026
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	0.2	0.1	<0.1	0.2
Pyrene	mg/kg	0.1	0.2	0.1	<0.1	0.2
Benzo(a)anthracene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	0.07	0.2	0.1	<0.05	0.1
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	0.3	1.2	0.3	<0.05	0.4
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	82	96	89	97	85

PAHs in Soil						
Our Reference		402843-23	402843-24	402843-27	402843-29	402843-32
Your Reference	UNITS	BH104	BH105	BH106	BH107	BH108
Depth		0.9-1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	26/02/2026	27/02/2026	26/02/2026	26/02/2026
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.4	0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	1	0.2
Pyrene	mg/kg	0.2	<0.1	<0.1	1	0.2
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	0.4	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.6	0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.9	0.2
Benzo(a)pyrene	mg/kg	0.1	0.07	0.07	0.60	0.2
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	0.3	0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	0.3	0.1
Total +ve PAH's	mg/kg	0.4	0.07	0.07	5.5	1.4
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	0.8	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	0.8	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	0.9	<0.5
Surrogate p-Terphenyl-d14	%	102	84	99	79	83

PAHs in Soil					
Our Reference		402843-34	402843-36	402843-40	402843-41
Your Reference	UNITS	BH109	BH110	BD1/260219	BD3/260219
Depth		0-0.1	0-0.1	-	-
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	27/02/2026	26/02/2026	27/02/2026	27/02/2026
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	0.2	<0.1	0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.3	0.3	0.2	0.2
Pyrene	mg/kg	0.3	0.4	0.2	0.2
Benzo(a)anthracene	mg/kg	<0.1	0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	0.2	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	0.2	0.3	<0.2	0.2
Benzo(a)pyrene	mg/kg	0.2	0.2	0.1	0.2
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	0.1	<0.1	0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.1	0.1	<0.1	0.1
Total +ve PAH's	mg/kg	1.6	1.9	0.5	1.2
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	99	81	98	96

Organochlorine Pesticides in soil						
Our Reference		402843-1	402843-2	402843-4	402843-6	402843-8
Your Reference	UNITS	TP1	TP2	TP3	TP4	TP5
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive Aldrin+Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	98	101	96	94	95

Organochlorine Pesticides in soil						
Our Reference	UNITS	402843-11	402843-12	402843-21	402843-24	402843-29
Your Reference		TP8	BH101	BH104	BH105	BH107
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive Aldrin+Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	95	95	97	95	92

Organochlorine Pesticides in soil			
Our Reference		402843-32	402843-36
Your Reference	UNITS	BH108	BH110
Depth		0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026
Type of sample		Soil	Soil
Date extracted	-	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026
alpha-BHC	mg/kg	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1
Mirex	mg/kg	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1
Total Positive Aldrin+Dieldrin	mg/kg	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	94	92

Organophosphorus Pesticides in Soil						
Our Reference		402843-1	402843-2	402843-4	402843-6	402843-8
Your Reference	UNITS	TP1	TP2	TP3	TP4	TP5
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phorate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion-Methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenthion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methidathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamiphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phosalone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	98	101	96	94	95

Organophosphorus Pesticides in Soil						
Our Reference	UNITS	402843-11	402843-12	402843-21	402843-24	402843-29
Your Reference		TP8	BH101	BH104	BH105	BH107
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Mevinphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phorate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Disulfoton	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion-Methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenthion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methidathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenamiphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phosalone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Coumaphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	95	95	97	95	92

Organophosphorus Pesticides in Soil			
Our Reference		402843-32	402843-36
Your Reference	UNITS	BH108	BH110
Depth		0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026
Type of sample		Soil	Soil
Date extracted	-	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026
Dichlorvos	mg/kg	<0.1	<0.1
Mevinphos	mg/kg	<0.1	<0.1
Phorate	mg/kg	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1
Disulfoton	mg/kg	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1
Parathion-Methyl	mg/kg	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1
Fenthion	mg/kg	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1
Methidathion	mg/kg	<0.1	<0.1
Fenamiphos	mg/kg	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1
Phosalone	mg/kg	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1
Coumaphos	mg/kg	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	94	92

PCBs in Soil						
Our Reference	UNITS	402843-1	402843-2	402843-4	402843-6	402843-8
Your Reference		TP1	TP2	TP3	TP4	TP5
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 2-Fluorobiphenyl	%	92	93	89	88	89

PCBs in Soil						
Our Reference	UNITS	402843-11	402843-12	402843-21	402843-24	402843-29
Your Reference		TP8	BH101	BH104	BH105	BH107
Depth		0-0.1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate 2-Fluorobiphenyl	%	87	88	91	87	85

PCBs in Soil			
Our Reference		402843-32	402843-36
Your Reference	UNITS	BH108	BH110
Depth		0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026
Type of sample		Soil	Soil
Date extracted	-	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026
Aroclor 1016	mg/kg	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1
Surrogate 2-Fluorobiphenyl	%	87	85

Misc Soil - Inorg			
Our Reference	UNITS	402843-4	402843-36
Your Reference		TP3	BH110
Depth		0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026
Type of sample		Soil	Soil
Date prepared	-	25/02/2026	25/02/2026
Date analysed	-	25/02/2026	25/02/2026
Total Phenolics (as Phenol)	mg/kg	<5	<5

Acid Extractable metals in soil

Our Reference		402843-1	402843-2	402843-4	402843-5	402843-6
Your Reference	UNITS	TP1	TP2	TP3	TP3	TP4
Depth		0-0.1	0-0.1	0-0.1	0.4-0.5	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Arsenic	mg/kg	11	<4	8	6	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	17	7	20	13	12
Copper	mg/kg	34	6	30	36	20
Lead	mg/kg	23	10	43	20	22
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	28	5	15	24	13
Zinc	mg/kg	87	20	75	57	47

Acid Extractable metals in soil

Our Reference		402843-7	402843-8	402843-9	402843-10	402843-11
Your Reference	UNITS	TP4	TP5	TP6	TP7	TP8
Depth		0.4-0.5	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Arsenic	mg/kg	8	8	11	9	10
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	15	13	18	13	13
Copper	mg/kg	40	23	32	29	33
Lead	mg/kg	15	32	32	29	20
Mercury	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Nickel	mg/kg	23	16	22	19	18
Zinc	mg/kg	64	54	210	79	44

Acid Extractable metals in soil

Our Reference		402843-12	402843-14	402843-15	402843-19	402843-21
Your Reference	UNITS	BH101	BH102	BH102	BH103	BH104
Depth		0-0.1	0-0.1	0.4-0.5	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Arsenic	mg/kg	9	8	8	9	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	12	14	11	14	15
Copper	mg/kg	35	35	28	28	21
Lead	mg/kg	45	92	36	26	25
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	21	18	18	22	16
Zinc	mg/kg	120	160	110	69	51

Acid Extractable metals in soil

Our Reference		402843-23	402843-24	402843-27	402843-29	402843-32
Your Reference	UNITS	BH104	BH105	BH106	BH107	BH108
Depth		0.9-1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Arsenic	mg/kg	17	7	10	7	8
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	17	14	13	16	15
Copper	mg/kg	37	34	40	35	25
Lead	mg/kg	20	23	44	39	35
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	30	17	26	20	18
Zinc	mg/kg	75	65	77	100	63

Acid Extractable metals in soil					
Our Reference		402843-34	402843-36	402843-40	402843-41
Your Reference	UNITS	BH109	BH110	BD1/260219	BD3/260219
Depth		0-0.1	0-0.1	-	-
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Arsenic	mg/kg	9	7	9	8
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	17	15	12	13
Copper	mg/kg	37	30	29	23
Lead	mg/kg	30	38	37	34
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	21	17	19	16
Zinc	mg/kg	94	220	98	54

Moisture						
Our Reference	UNITS	402843-1	402843-2	402843-4	402843-5	402843-6
Your Reference		TP1	TP2	TP3	TP3	TP4
Depth		0-0.1	0-0.1	0-0.1	0.4-0.5	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Moisture	%	13	7.3	11	14	10

Moisture						
Our Reference	UNITS	402843-7	402843-8	402843-9	402843-10	402843-11
Your Reference		TP4	TP5	TP6	TP7	TP8
Depth		0.4-0.5	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Moisture	%	13	12	15	16	17

Moisture						
Our Reference	UNITS	402843-12	402843-14	402843-15	402843-19	402843-21
Your Reference		BH101	BH102	BH102	BH103	BH104
Depth		0-0.1	0-0.1	0.4-0.5	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Moisture	%	19	14	14	23	9.5

Moisture						
Our Reference	UNITS	402843-23	402843-24	402843-27	402843-29	402843-32
Your Reference		BH104	BH105	BH106	BH107	BH108
Depth		0.9-1	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Moisture	%	12	11	17	17	10

Moisture					
Our Reference		402843-34	402843-36	402843-40	402843-41
Your Reference	UNITS	BH109	BH110	BD1/260219	BD3/260219
Depth		0-0.1	0-0.1	-	-
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Date analysed	-	26/02/2026	26/02/2026	26/02/2026	26/02/2026
Moisture	%	19	13	16	11

Asbestos ID - Soils (NEPM)						
Our Reference	UNITS	402843-1	402843-2	402843-4	402843-5	402843-6
Your Reference		TP1	TP2	TP3	TP3	TP4
Depth		0-0.1	0-0.1	0-0.1	0.4-0.5	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed		04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Sample Mass Tested	g	565.4	676.06	670.43	690.6	589.26
Sample Description	-	Brown coarse-grained soil & rocks	Brown fine-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w	No asbestos detected at reporting limit 0.01%w/w	No asbestos detected at reporting limit 0.01%w/w	No asbestos detected at reporting limit 0.01%w/w	No asbestos detected at reporting limit 0.01%w/w
		Organic fibres detected*	Organic fibres detected*	Organic fibres detected*	Organic fibres detected*	Organic fibres detected*
		No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*
Total Asbestos	%w/w	<0.01	<0.01	<0.01	<0.01	<0.01
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
ACM >7mm Estimation (Mass)*	g	—	—	—	—	—
ACM >7mm Estimation*	%w/w	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation (Mass)*	g	—	—	—	—	—
FA and AF Estimation*	%w/w	<0.001	<0.001	<0.001	<0.001	<0.001
Additional Comments - Refer to Last Page	-	Nil	Nil	Nil	Nil	Nil

Asbestos ID - Soils (NEPM)

Our Reference		402843-7	402843-8	402843-9	402843-10	402843-11
Your Reference	UNITS	TP4	TP5	TP6	TP7	TP8
Depth		0.4-0.5	0-0.1	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed		04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Sample Mass Tested	g	825.88	810.16	637.32	610.99	604.62
Sample Description	-	Brown sandy soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*
		No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*
Total Asbestos	%w/w	<0.01	<0.01	<0.01	<0.01	<0.01
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
ACM >7mm Estimation (Mass)*	g	—	—	—	—	—
ACM >7mm Estimation*	%w/w	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation (Mass)*	g	—	—	—	—	—
FA and AF Estimation*	%w/w	<0.001	<0.001	<0.001	<0.001	<0.001
Additional Comments - Refer to Last Page	-	Nil	Nil	Nil	Nil	Nil

Asbestos ID - Soils (NEPM)						
Our Reference		402843-12	402843-14	402843-15	402843-19	402843-21
Your Reference	UNITS	BH101	BH102	BH102	BH103	BH104
Depth		0-0.1	0-0.1	0.4-0.5	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed		04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Sample Mass Tested	g	602.81	663.46	528.01	583.69	678.21
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%/w/w Organic fibres detected* No visible asbestos detected <0.01%/w/w*	Chrysotile asbestos detected Amosite asbestos detected Crocidolite asbestos detected Organic fibres detected*	No asbestos detected at reporting limit 0.01%/w/w Organic fibres detected* No visible asbestos detected <0.01%/w/w*	No asbestos detected at reporting limit 0.01%/w/w Organic fibres detected* No visible asbestos detected <0.01%/w/w*	No asbestos detected at reporting limit 0.01%/w/w Organic fibres detected* No visible asbestos detected <0.01%/w/w*
Total Asbestos	%w/w	<0.01	0.13	<0.01	<0.01	<0.01
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
ACM >7mm Estimation (Mass)*	g	—	0.8334	—	—	—
ACM >7mm Estimation*	%w/w	<0.01	0.13	<0.01	<0.01	<0.01
FA and AF Estimation (Mass)*	g	—	—	—	—	—
FA and AF Estimation*	%w/w	<0.001	<0.001	<0.001	<0.001	<0.001
Additional Comments - Refer to Last Page	-	Nil	YES	Nil	Nil	Nil

Asbestos ID - Soils (NEPM)

Our Reference		402843-24	402843-25	402843-27	402843-29	402843-32
Your Reference	UNITS	BH105	BH105	BH106	BH107	BH108
Depth		0-0.1	0.4-0.5	0-0.1	0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026	19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed		04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Sample Mass Tested	g	716.41	878.35	396.84	652.83	805.65
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*
		No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*
Total Asbestos	%w/w	<0.01	<0.01	<0.01	<0.01	<0.01
Residual Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
ACM >7mm Estimation (Mass)*	g	—	—	—	—	—
ACM >7mm Estimation*	%w/w	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation (Mass)*	g	—	—	—	—	—
FA and AF Estimation*	%w/w	<0.001	<0.001	<0.001	<0.001	<0.001
Additional Comments - Refer to Last Page	-	Nil	Nil	Nil	Nil	Nil

Asbestos ID - Soils (NEPM)			
Our Reference		402843-34	402843-36
Your Reference	UNITS	BH109	BH110
Depth		0-0.1	0-0.1
Date Sampled		19/02/2026	19/02/2026
Type of sample		Soil	Soil
Date analysed		04/03/2026	04/03/2026
Sample Mass Tested	g	573.83	831.78
Sample Description	-	Brown coarse-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in Soil	-	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*	No asbestos detected at reporting limit 0.01%w/w Organic fibres detected*
		No visible asbestos detected <0.01%w/w*	No visible asbestos detected <0.01%w/w*
Total Asbestos	%w/w	<0.01	<0.01
Residual Analysis	-	No asbestos detected	No asbestos detected
ACM >7mm Estimation (Mass)*	g	—	—
ACM >7mm Estimation*	%w/w	<0.01	<0.01
FA and AF Estimation (Mass)*	g	—	—
FA and AF Estimation*	%w/w	<0.001	<0.001
Additional Comments - Refer to Last Page	-	Nil	Nil

Misc Inorg - Soil				
Our Reference		402843-13	402843-28	402843-33
Your Reference	UNITS	BH101	BH106	BH108
Depth		0.4-0.5	0.4-0.5	0.4-0.5
Date Sampled		19/02/2026	19/02/2026	19/02/2026
Type of sample		Soil	Soil	Soil
Date prepared	-	27/02/2026	27/02/2026	27/02/2026
Date analysed	-	27/02/2026	27/02/2026	27/02/2026
pH 1:5 soil:water	pH Units	8.0	7.0	7.1
Electrical Conductivity	µS/cm	120	56	73

Method ID	Methodology Summary
ASB-003	Asbestos ID –Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques as per Australian Standard 5370. When Inconclusive mineral fibres are detected by polarised light microscopy including dispersion staining, these fibres may or may not be asbestos fibres. To confirm the identities, another independent analytical technique may be required. When asbestos presence is reported below the reporting limit of 0.01%w/w, the result is not covered by AS5370 and is supplied for information purposes only as required by some state jurisdictions.
ASB-003	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.01% w/w as per Australian Standard AS5370. Results reported denoted with * are outside our scope of NATA accreditation. NOTE^{#1} Total Asbestos %w/w was analysed and reported as per Australian Standard AS5370 (This is the sum of ACM >7mm, <7mm and FA/AF relative to the sample mass tested) NOTE^{#2} The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques. Visible asbestos is defined as asbestos detected below the reporting limit of 0.01% w/w as per AS5370. NOTE #3 When asbestos presence is reported below the reporting limit of 0.01%w/w, the result is not covered by AS5370 and is supplied for information purposes only as required by some state jurisdictions.
Inorg-001	pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell.

Method ID	Methodology Summary
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals/elements by ICP-AES. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation. Where molecular anion forms are calculated from an element (e.g. SO ₄ from S or PO ₄ from P stoichiometrically), the assumption is that the element is only present in that molecular anion form. Submission of low masses of sample e.g. for dust samples, may result in raised PQLs.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.

Method ID	Methodology Summary
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL' values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero' values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL' values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.
Org-029	Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3. Analysis is undertaken with LC-MS/MS. PFAS results include the sum of branched and linear isomers where applicable. Please note that PFAS results are corrected for Extracted Internal Standards (QSM terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components. Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.

QUALITY CONTROL: PFAS in Soils Extended					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			02/03/2026	1	26/02/2026	26/02/2026		02/03/2026	[NT]
Date analysed	-			02/03/2026	1	27/02/2026	27/02/2026		02/03/2026	[NT]
Perfluorobutanesulfonic acid	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	112	[NT]
Perfluoropentanesulfonic acid	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	112	[NT]
Perfluorohexanesulfonic acid - PFHxS	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	107	[NT]
Perfluoroheptanesulfonic acid	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	111	[NT]
Perfluorooctanesulfonic acid PFOS	µg/kg	0.1	Org-029	<0.1	1	0.5	0.4	22	106	[NT]
Perfluorodecanesulfonic acid	µg/kg	0.2	Org-029	<0.2	1	<0.2	<0.2	0	98	[NT]
Perfluorobutanoic acid	µg/kg	0.2	Org-029	<0.2	1	0.3	0.3	0	109	[NT]
Perfluoropentanoic acid	µg/kg	0.2	Org-029	<0.2	1	<0.2	<0.2	0	109	[NT]
Perfluorohexanoic acid	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	114	[NT]
Perfluoroheptanoic acid	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	109	[NT]
Perfluorooctanoic acid PFOA	µg/kg	0.1	Org-029	<0.1	1	0.2	0.1	67	104	[NT]
Perfluorononanoic acid	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	112	[NT]
Perfluorodecanoic acid	µg/kg	0.5	Org-029	<0.5	1	<0.5	<0.5	0	103	[NT]
Perfluoroundecanoic acid	µg/kg	0.5	Org-029	<0.5	1	<0.5	<0.5	0	104	[NT]
Perfluorododecanoic acid	µg/kg	0.5	Org-029	<0.5	1	<0.5	<0.5	0	118	[NT]
Perfluorotridecanoic acid	µg/kg	0.5	Org-029	<0.5	1	<0.5	<0.5	0	96	[NT]
Perfluorotetradecanoic acid	µg/kg	5	Org-029	<5	1	<5	<5	0	66	[NT]
4:2 FTS	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	105	[NT]
6:2 FTS	µg/kg	0.1	Org-029	<0.1	1	<0.1	<0.1	0	101	[NT]
8:2 FTS	µg/kg	0.2	Org-029	<0.2	1	<0.2	<0.2	0	105	[NT]
10:2 FTS	µg/kg	0.2	Org-029	<0.2	1	<0.2	<0.2	0	91	[NT]
Perfluorooctane sulfonamide	µg/kg	1	Org-029	<1	1	<1	<1	0	107	[NT]
N-Methyl perfluorooctane sulfonamide	µg/kg	1	Org-029	<1	1	<1	<1	0	113	[NT]
N-Ethyl perfluorooctanesulfonamide	µg/kg	1	Org-029	<1	1	<1	<1	0	104	[NT]
N-Me perfluorooctanesulfonamidethanol	µg/kg	1	Org-029	<1	1	<1	<1	0	111	[NT]
N-Et perfluorooctanesulfonamidethanol	µg/kg	5	Org-029	<5	1	<5	<5	0	112	[NT]
MePerfluorooctanesulfonamidacetic acid	µg/kg	0.2	Org-029	<0.2	1	<0.2	<0.2	0	110	[NT]
EtPerfluorooctanesulfonamidacetic acid	µg/kg	0.2	Org-029	<0.2	1	<0.2	<0.2	0	100	[NT]
Surrogate ¹³ C ₈ PFOS	%		Org-029	100	1	99	97	2	97	[NT]
Surrogate ¹³ C ₂ PFOA	%		Org-029	101	1	101	95	6	98	[NT]

QUALITY CONTROL: PFAS in Soils Extended					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Extracted ISTD ¹³ C ₃ PFBS	%		Org-029	105	1	99	92	7	101	[NT]
Extracted ISTD ¹⁸ O ₂ PFHxS	%		Org-029	95	1	93	88	6	100	[NT]
Extracted ISTD ¹³ C ₄ PFOS	%		Org-029	100	1	99	100	1	102	[NT]
Extracted ISTD ¹³ C ₄ PFBA	%		Org-029	105	1	102	97	5	106	[NT]
Extracted ISTD ¹³ C ₃ PFPeA	%		Org-029	100	1	100	94	6	103	[NT]
Extracted ISTD ¹³ C ₂ PFHxA	%		Org-029	100	1	95	89	7	98	[NT]
Extracted ISTD ¹³ C ₄ PFHpA	%		Org-029	98	1	98	93	5	101	[NT]
Extracted ISTD ¹³ C ₄ PFOA	%		Org-029	100	1	97	97	0	103	[NT]
Extracted ISTD ¹³ C ₅ PFNA	%		Org-029	98	1	98	93	5	98	[NT]
Extracted ISTD ¹³ C ₂ PFDA	%		Org-029	96	1	102	92	10	97	[NT]
Extracted ISTD ¹³ C ₂ PFUnDA	%		Org-029	84	1	90	91	1	86	[NT]
Extracted ISTD ¹³ C ₂ PFDoDA	%		Org-029	84	1	94	99	5	78	[NT]
Extracted ISTD ¹³ C ₂ PFTeDA	%		Org-029	127	1	164	163	1	123	[NT]
Extracted ISTD ¹³ C ₂ 4:2FTS	%		Org-029	101	1	95	92	3	103	[NT]
Extracted ISTD ¹³ C ₂ 6:2FTS	%		Org-029	102	1	94	90	4	106	[NT]
Extracted ISTD ¹³ C ₂ 8:2FTS	%		Org-029	96	1	90	90	0	99	[NT]
Extracted ISTD ¹³ C ₈ FOSA	%		Org-029	122	1	98	100	2	118	[NT]
Extracted ISTD d ₃ N MeFOSA	%		Org-029	103	1	94	98	4	99	[NT]
Extracted ISTD d ₅ N EtFOSA	%		Org-029	108	1	96	98	2	105	[NT]
Extracted ISTD d ₇ N MeFOSE	%		Org-029	98	1	90	95	5	98	[NT]

QUALITY CONTROL: PFAS in Soils Extended					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
<i>Extracted ISTD d₉ N EtFOSE</i>	%		Org-029	101	1	94	95	1	96	[NT]
<i>Extracted ISTD d₃ N MeFOSAA</i>	%		Org-029	58	1	83	83	0	58	[NT]
<i>Extracted ISTD d₅ N EtFOSAA</i>	%		Org-029	79	1	86	92	7	85	[NT]

QUALITY CONTROL: PFAS in Soils Extended				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date prepared	-			[NT]	[NT]	[NT]	[NT]	[NT]	26/02/2026	[NT]
Date analysed	-			[NT]	[NT]	[NT]	[NT]	[NT]	27/02/2026	[NT]
Perfluorobutanesulfonic acid	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	113	[NT]
Perfluoropentanesulfonic acid	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	119	[NT]
Perfluorohexanesulfonic acid - PFHxS	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	118	[NT]
Perfluoroheptanesulfonic acid	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	115	[NT]
Perfluorooctanesulfonic acid PFOS	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	127	[NT]
Perfluorodecanesulfonic acid	µg/kg	0.2	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	131	[NT]
Perfluorobutanoic acid	µg/kg	0.2	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	116	[NT]
Perfluoropentanoic acid	µg/kg	0.2	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	115	[NT]
Perfluorohexanoic acid	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	120	[NT]
Perfluoroheptanoic acid	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	117	[NT]
Perfluorooctanoic acid PFOA	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	120	[NT]
Perfluorononanoic acid	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	117	[NT]
Perfluorodecanoic acid	µg/kg	0.5	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	116	[NT]
Perfluoroundecanoic acid	µg/kg	0.5	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	113	[NT]
Perfluorododecanoic acid	µg/kg	0.5	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	105	[NT]
Perfluorotridecanoic acid	µg/kg	0.5	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	94	[NT]
Perfluorotetradecanoic acid	µg/kg	5	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	69	[NT]
4:2 FTS	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	128	[NT]
6:2 FTS	µg/kg	0.1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	124	[NT]
8:2 FTS	µg/kg	0.2	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	128	[NT]
10:2 FTS	µg/kg	0.2	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	130	[NT]
Perfluorooctane sulfonamide	µg/kg	1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	119	[NT]
N-Methyl perfluorooctane sulfonamide	µg/kg	1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	120	[NT]
N-Ethyl perfluorooctanesulfonamide	µg/kg	1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	117	[NT]
N-Me perfluorooctanesulfonamid oethanol	µg/kg	1	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	116	[NT]
N-Et perfluorooctanesulfonamid oethanol	µg/kg	5	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	120	[NT]
MePerfluorooctanesulf- amid oacetic acid	µg/kg	0.2	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	122	[NT]
EtPerfluorooctanesulf amid oacetic acid	µg/kg	0.2	Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	117	[NT]
Surrogate ¹³ C ₈ PFOS	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	106	[NT]
Surrogate ¹³ C ₂ PFOA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: PFAS in Soils Extended					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Extracted ISTD ¹³ C ₃ PFBS	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	100	[NT]
Extracted ISTD ¹⁸ O ₂ PFHxS	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	96	[NT]
Extracted ISTD ¹³ C ₄ PFOS	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	94	[NT]
Extracted ISTD ¹³ C ₄ PFBA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	102	[NT]
Extracted ISTD ¹³ C ₃ PFPeA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	101	[NT]
Extracted ISTD ¹³ C ₂ PFHxA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	97	[NT]
Extracted ISTD ¹³ C ₄ PFHpA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Extracted ISTD ¹³ C ₄ PFOA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	101	[NT]
Extracted ISTD ¹³ C ₅ PFNA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	98	[NT]
Extracted ISTD ¹³ C ₂ PFDA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	100	[NT]
Extracted ISTD ¹³ C ₂ PFUnDA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	96	[NT]
Extracted ISTD ¹³ C ₂ PFDoDA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	98	[NT]
Extracted ISTD ¹³ C ₂ PFTeDA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	105	[NT]
Extracted ISTD ¹³ C ₂ 4:2FTS	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	95	[NT]
Extracted ISTD ¹³ C ₂ 6:2FTS	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	101	[NT]
Extracted ISTD ¹³ C ₂ 8:2FTS	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Extracted ISTD ¹³ C ₈ FOSA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	102	[NT]
Extracted ISTD d ₃ N MeFOSA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	100	[NT]
Extracted ISTD d ₅ N EtFOSA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	104	[NT]
Extracted ISTD d ₇ N MeFOSE	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	101	[NT]

QUALITY CONTROL: PFAS in Soils Extended						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Extracted ISTD d ₉ N EtFOSE	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Extracted ISTD d ₃ N MeFOSAA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	89	[NT]
Extracted ISTD d ₅ N EtFOSAA	%		Org-029	[NT]	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	402843-8
Date extracted	-			25/02/2026	1	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			27/02/2026	1	26/02/2026	26/02/2026		27/02/2026	27/02/2026
TRH C ₆ - C ₉	mg/kg	25	Org-023	<25	1	<25	<25	0	121	114
TRH C ₆ - C ₁₀	mg/kg	25	Org-023	<25	1	<25	<25	0	121	114
Benzene	mg/kg	0.2	Org-023	<0.2	1	<0.2	<0.2	0	122	116
Toluene	mg/kg	0.5	Org-023	<0.5	1	<0.5	<0.5	0	123	116
Ethylbenzene	mg/kg	1	Org-023	<1	1	<1	<1	0	123	115
m+p-xylene	mg/kg	2	Org-023	<2	1	<2	<2	0	119	112
o-Xylene	mg/kg	1	Org-023	<1	1	<1	<1	0	123	115
Naphthalene	mg/kg	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	112	1	106	100	6	116	106

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	402843-36
Date extracted	-			[NT]	12	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			[NT]	12	27/02/2026	27/02/2026		27/02/2026	27/02/2026
TRH C ₆ - C ₉	mg/kg	25	Org-023	[NT]	12	<25	<25	0	115	108
TRH C ₆ - C ₁₀	mg/kg	25	Org-023	[NT]	12	<25	<25	0	115	108
Benzene	mg/kg	0.2	Org-023	[NT]	12	<0.2	<0.2	0	112	107
Toluene	mg/kg	0.5	Org-023	[NT]	12	<0.5	<0.5	0	109	104
Ethylbenzene	mg/kg	1	Org-023	[NT]	12	<1	<1	0	122	115
m+p-xylene	mg/kg	2	Org-023	[NT]	12	<2	<2	0	115	108
o-Xylene	mg/kg	1	Org-023	[NT]	12	<1	<1	0	121	114
Naphthalene	mg/kg	1	Org-023	[NT]	12	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	12	109	107	2	115	114

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	34	25/02/2026	25/02/2026		[NT]	[NT]
Date analysed	-			[NT]	34	27/02/2026	27/02/2026		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-023	[NT]	34	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-023	[NT]	34	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-023	[NT]	34	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-023	[NT]	34	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-023	[NT]	34	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-023	[NT]	34	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-023	[NT]	34	<1	<1	0	[NT]	[NT]
Naphthalene	mg/kg	1	Org-023	[NT]	34	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	34	107	105	2	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	402843-8
Date extracted	-			25/02/2026	1	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			27/02/2026	1	26/02/2026	26/02/2026		26/02/2026	26/02/2026
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-020	<50	1	<50	<50	0	80	95
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-020	<100	1	<100	<100	0	79	91
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-020	<100	1	<100	<100	0	100	89
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-020	<50	1	<50	<50	0	80	95
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-020	<100	1	<100	<100	0	79	91
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-020	<100	1	<100	<100	0	100	89
Surrogate o-Terphenyl	%		Org-020	70	1	65	75	14	75	89

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	402843-36
Date extracted	-			[NT]	12	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			[NT]	12	27/02/2026	27/02/2026		27/02/2026	27/02/2026
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-020	[NT]	12	<50	<50	0	93	84
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-020	[NT]	12	<100	<100	0	90	87
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-020	[NT]	12	<100	<100	0	86	126
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-020	[NT]	12	<50	<50	0	93	84
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-020	[NT]	12	<100	<100	0	90	87
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-020	[NT]	12	<100	<100	0	86	126
Surrogate o-Terphenyl	%		Org-020	[NT]	12	70	77	10	90	70

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	34	25/02/2026	25/02/2026		[NT]	[NT]
Date analysed	-			[NT]	34	27/02/2026	27/02/2026		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-020	[NT]	34	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-020	[NT]	34	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	34	71	75	5	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	402843-8
Date extracted	-			25/02/2026	1	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			26/02/2026	1	26/02/2026	26/02/2026		27/02/2026	26/02/2026
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	88	98
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	97	110
Fluorene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	101	102
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	94	103
Anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	99	100
Pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	97	101
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	72	81
Benzo(b,j,k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	1	<0.05	0.05	0	106	102
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	99	1	87	87	0	95	86

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	402843-36
Date extracted	-			[NT]	12	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			[NT]	12	26/02/2026	26/02/2026		26/02/2026	26/02/2026
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	98	90
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	108	100
Fluorene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	98	98
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	98	84
Anthracene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	12	0.1	0.1	0	98	76
Pyrene	mg/kg	0.1	Org-022/025	[NT]	12	0.1	0.1	0	96	76
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	78	66
Benzo(b,j,k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	12	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	12	0.07	0.09	25	84	94
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	12	82	87	6	87	80

QUALITY CONTROL: PAHs in Soil						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	34	25/02/2026	25/02/2026		[NT]	[NT]
Date analysed	-			[NT]	34	27/02/2026	27/02/2026		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	34	0.1	0.2	67	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	34	0.3	0.3	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-022/025	[NT]	34	0.3	0.3	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	34	0.1	0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	34	0.2	0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	34	0.2	0.3	40	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	34	0.1	0.2	67	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	34	0.1	0.2	67	[NT]	[NT]
Surrogate <i>p</i> -Terphenyl-d14	%		Org-022/025	[NT]	34	99	103	4	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	402843-8
Date extracted	-			25/02/2026	1	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			26/02/2026	1	26/02/2026	26/02/2026		26/02/2026	26/02/2026
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	98	102
HCB	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	94	96
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	88	90
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	96
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	96
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	80	82
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	104	106
Endrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	86	96
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	80	100
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	70	74
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Mirex	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	98	1	98	98	0	98	98

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	12	25/02/2026	25/02/2026		[NT]	[NT]
Date analysed	-			[NT]	12	26/02/2026	26/02/2026		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Mirex	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	[NT]	12	95	100	5	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	402843-8
Date extracted	-			25/02/2026	1	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			26/02/2026	1	26/02/2026	26/02/2026		26/02/2026	26/02/2026
Dichlorvos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	96	102
Mevinphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Phorate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Disulfoton	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Parathion-Methyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	88	92
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	84	104
Malathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	82	98
Chlorpyriphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	96	104
Fenthion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	100	122
Bromophos-ethyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Methidathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fenamiphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	72	86
Phosalone	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Coumaphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	98	1	98	98	0	98	98

QUALITY CONTROL: Organophosphorus Pesticides in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	12	25/02/2026	25/02/2026		[NT]	[NT]
Date analysed	-			[NT]	12	26/02/2026	26/02/2026		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Mevinphos	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Phorate	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Disulfoton	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Parathion-Methyl	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Fenthion	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Methidathion	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Fenamiphos	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Phosalone	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Coumaphos	mg/kg	0.1	Org-022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	[NT]	12	95	100	5	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	402843-8
Date extracted	-			25/02/2026	1	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			26/02/2026	1	26/02/2026	26/02/2026		26/02/2026	26/02/2026
Aroclor 1016	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	96	62
Aroclor 1260	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 2-Fluorobiphenyl	%		Org-021/022/025	91	1	92	92	0	92	91

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	12	25/02/2026	25/02/2026		[NT]	[NT]
Date analysed	-			[NT]	12	26/02/2026	26/02/2026		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-021/022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021/022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021/022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021/022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021/022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021/022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-021/022/025	[NT]	12	<0.1	<0.1	0	[NT]	[NT]
Surrogate 2-Fluorobiphenyl	%		Org-021/022/025	[NT]	12	88	93	6	[NT]	[NT]

QUALITY CONTROL: Misc Soil - Inorg						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			25/02/2026	4	25/02/2026	25/02/2026		25/02/2026	[NT]
Date analysed	-			25/02/2026	4	25/02/2026	25/02/2026		25/02/2026	[NT]
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	4	<5	<5	0	118	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	402843-8
Date prepared	-			25/02/2026	1	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			26/02/2026	1	26/02/2026	26/02/2026		26/02/2026	26/02/2026
Arsenic	mg/kg	4	Metals-020	<4	1	11	10	10	109	90
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	104	83
Chromium	mg/kg	1	Metals-020	<1	1	17	16	6	104	88
Copper	mg/kg	1	Metals-020	<1	1	34	34	0	108	98
Lead	mg/kg	1	Metals-020	<1	1	23	22	4	108	89
Mercury	mg/kg	0.1	Metals-021	<0.1	1	0.1	<0.1	0	113	122
Nickel	mg/kg	1	Metals-020	<1	1	28	27	4	107	86
Zinc	mg/kg	1	Metals-020	<1	1	87	85	2	104	77

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	402843-36
Date prepared	-			[NT]	12	25/02/2026	25/02/2026		25/02/2026	25/02/2026
Date analysed	-			[NT]	12	26/02/2026	26/02/2026		26/02/2026	26/02/2026
Arsenic	mg/kg	4	Metals-020	[NT]	12	9	8	12	107	102
Cadmium	mg/kg	0.4	Metals-020	[NT]	12	<0.4	<0.4	0	103	92
Chromium	mg/kg	1	Metals-020	[NT]	12	12	12	0	103	96
Copper	mg/kg	1	Metals-020	[NT]	12	35	34	3	108	110
Lead	mg/kg	1	Metals-020	[NT]	12	45	49	9	107	97
Mercury	mg/kg	0.1	Metals-021	[NT]	12	<0.1	0.2	67	117	111
Nickel	mg/kg	1	Metals-020	[NT]	12	21	18	15	106	96
Zinc	mg/kg	1	Metals-020	[NT]	12	120	140	15	102	91

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	34	25/02/2026	25/02/2026		[NT]	[NT]
Date analysed	-			[NT]	34	26/02/2026	26/02/2026		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	34	9	9	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	34	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	34	17	19	11	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	34	37	37	0	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	34	30	32	6	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	34	0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	34	21	22	5	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	34	94	98	4	[NT]	[NT]

QUALITY CONTROL: Misc Inorg - Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			27/02/2026	13	27/02/2026	27/02/2026		27/02/2026	[NT]
Date analysed	-			27/02/2026	13	27/02/2026	27/02/2026		27/02/2026	[NT]
pH 1:5 soil:water	pH Units		Inorg-001	[NT]	13	8.0	7.9	1	101	[NT]
Electrical Conductivity	µS/cm	2	Inorg-002	<2	13	120	120	0	97	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates can be downloaded from the [Envirolab Resources website](#) or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

Report Comments

PFAS in Soil Extended - For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).

Asbestos-ID in soil: NEPM

This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

Factual description of asbestos identified in the soil samples: NEPM

Sample 402843-14; Chrysotile, Amosite & Crocidolite asbestos identified in 5.5563g of fibre cement material >7mm

COC: 27/02/2026

Project No: 239951.00		Suburb: Camden		To: Envirolab Services	
Project Manager: Grant Russell		Order Number:		Sampler: AP/MKJ	
Email: laboratory+68ff061edd8b9@datanest.earth, grant.russell@douglaspartners.com.au, matt.junghans@douglaspartners.com.au					Attn: Sample Receipt
Turnaround time: ☒ Standard ☐ 72 hour ☐ 48 hour ☐ 24 hour ☐ Same day					(02) 9910 6200 samlereceipt@envirolab.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			Date Sampled	Sample Type S - soil W - water M - Material	Container Type C - glass P - plastic	Asbestos ID	Lead in Paint	Lead in Dust	Analytes										Notes/ Preservation/ Additional Requirements
	Location / Other ID	Depth From	Depth To																	
1	A1			25/02/26	M	P	X												fibreboard	
2	A2			25/02/26	M	P											X		fibreboard	
3	A3			25/02/26	M	P	X												fibreboard	
4	A4			25/02/26	M	P	X												vinyl tile	
5	A5			25/02/26	M	P	X												fibrous cement	
6	A6			25/02/26	M	P	X												fibreboard	
7	A7			25/02/26	M	P	X												fibreboard	
8	A8			25/02/26	M	P	X												fibreboard	
9	A9			25/02/26	M	P	X												fibreboard	
10	A10			25/02/26	M	P	X												fibreboard	
11	A11			25/02/26	M	P	X												vinyl tile	
12	A12			25/02/26	M	P											X		fibreboard	
13	A13			25/02/26	M	P	X												fibreboard	
14	A14			25/02/26	M	P	X												fibreboard	

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 403168

Date Received: 27/2/26

Time Received: 1710

Received By: [Signature]

Temp: Cool/Ambient

Cooling: Ice/icepack

Security: [Signature] 11°C

Security: intact/broken/None

Metals to analyse:				LAB RECEIPT			
Number of samples in container:		Transported to laboratory by:		Lab Ref. No: 403168			
Send results to: Douglas Partners Pty Ltd				Received by: [Signature]			
Address: 18 Waler Crescent, Smeaton Grange NSW		Phone: (02) 4647 0075		Date & Time: 27/2/26 1710			
Relinquished by: DP		Date: 27/02/2026		Signed: DP		Signed: [Signature]	

403168
27/2/26
RT.

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 239951.00					Suburb: Camden					To: Envirolab Services								
Project Manager: Grant Russell										Dispatch date: 27/02/2026								
Lab ID	Sample ID			Date Sampled	Sample Type S - soil W - water M - Material	Container Type G - glass P - plastic	Analytes										Notes/ Preservation/ Additional Requirements	
	Location / Other ID	Depth From	Depth To				Asbestos ID	Lead in Paint	Lead in Dust							hold		
15	A15			25/02/26	M	P											X	fibreboard
16	A16			25/02/26	M	P											X	vinyl tile
17	A17			25/02/26	M	P	X											fibreboard
18	A18			25/02/26	M	P	X											linoleum
19	A19			25/02/26	M	P											X	fibreboard
20	A20			25/02/26	M	P	X											popcorn ceiling
21-22 SP	A21			25/02/26	M	P	X											vinyl tile
22 SP NR	A22			25/02/26	M	P	X											fibreboard
NR	A23	52		25/02/26	M	P	X											fibreboard
NR	A24	53		25/02/26	M	P	X											popcorn ceiling
23	A25			25/02/26	M	P	X											fibrous rope
24	P1			25/02/26	M	P		X										Green paint
25	P2			25/02/26	M	P		X										pink paint
26	P3			25/02/26	M	P		X										Beige paint
27	P4			25/02/26	M	P		X										White paint
28	P5			25/02/26	M	P		X										Beige paint
29	P6			25/02/26	M	P		X										White paint
30	P7			25/02/26	M	P		X										White paint
Project No: 239951.00					Suburb: Camden					To: Envirolab Services								
Project Manager: Grant Russell										Dispatch date: 27/02/2026								

403168
27/2/26
KT.

CHAIN OF CUSTODY DESPATCH SHEET

Lab ID	Sample ID			Date Sampled	Sample Type	Container Type	Analytes											Notes/ Preservation/ Additional Requirements	
	Location / Other ID	Depth From	Depth To		S - soil W - water M - Material	G - glass P - plastic	Asbestos ID	Lead in Paint	Lead in Dust							hold			
31	P8			25/02/26	M	P		X									pink		
32	P9			25/02/26	M	P		X									purple		
33	P10			25/02/26	M	P		X									Beige paint		
34	P11			25/02/26	M	P		X									White paint		
35	P12			25/02/26	M	P		X									White paint		
36	P13			25/02/26	M	P		X									Red paint		
37	P14			25/02/26	M	P		X									White paint		
38	P15			25/02/26	M	P		X									Beige paint		
39	P16			25/02/26	M	P		X									Green paint		
40	P17			25/02/26	M	P		X									White paint		
41	P18			25/02/26	M	P		X									cream over green		
42	P19			25/02/26	M	P		X									blue		
43	P20			25/02/26	M	P		X									Beige paint		
44	D1			25/02/26	M	P			X								Kitchen, cabinet		
45	D2			25/02/26	M	P			X								Interior, Air conditioning unit		
46	D3			25/02/26	M	P			X								Interior, Wall		
47	D4			25/02/26	M	P			X								Bathroom, Cupboard		
48	D5			25/02/26	M	P			X								Interior, Window		
49 NR	D6	54		25/02/26	M	P			X								hallway radiator		
Project No:				239951.00		Suburb:				Camden				To:				Envirolab Services	
Project Manager:				Grant Russell										Dispatch date:				27/02/2026	

49 ACM 1 extra
50 ACM 2 extra
51 ACM 3 extra

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Grant Russell

Sample Login Details

Your reference	239951.00, Camden
Envirolab Reference	403168
Date Sample Received	27/02/2026
Date Instructions Received	27/02/2026
Date Results Expected to be Reported	06/03/2026

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	26 Material, 20 Paint, 5 Swab
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	11
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

2 x sets of samples received labelled with the same sample IDs:
 - Sample #21 & #22: Both labelled as 'A21' - randomly assigned to be #21 & #22.
 - Sample #42 & #42: Both labelled as 'P19' - samples matched to respective sample IDs according to colour given in description.
 Samples 'A22', 'A23', 'A24', and 'D6' were not received.
 Received 3 x extra samples labelled as - 'ACM1', 'ACM2', and 'ACM3'. These samples have been added to the CoC as extras and placed on hold for testing.
 All samples issues confirmed with client via email.

Please direct any queries to:

Aileen Hie

Phone: 02 9910 6200
Fax: 02 9910 6201
Email: ahie@envirolab.com.au

Jacinta Hurst

Phone: 02 9910 6200
Fax: 02 9910 6201
Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Asbestos ID - Materials	Lead in Paint	Lead in swab	On Hold
A1	✓			
A2				✓
A3	✓			
A4	✓			
A5	✓			
A6	✓			
A7	✓			
A8	✓			
A9	✓			
A10	✓			
A11	✓			
A12				✓
A13	✓			
A14	✓			
A15				✓
A16				✓
A17	✓			
A18	✓			
A19				✓
A20	✓			
A21	✓			
A22	✓			
A25	✓			
P1		✓		
P2		✓		
P3		✓		
P4		✓		
P5		✓		
P6		✓		
P7		✓		
P8		✓		
P9		✓		



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Asbestos ID - Materials	Lead in Paint	Lead in swab	On Hold
P10		✓		
P11		✓		
P12		✓		
P13		✓		
P14		✓		
P15		✓		
P16		✓		
P17		✓		
P18		✓		
P19		✓		
P20		✓		
D1			✓	
D2			✓	
D3			✓	
D4			✓	
D5			✓	
ACM1	✓			
ACM2	✓			
ACM3	✓			

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

We acknowledge receipt of your samples and Purchase Order (PO) (if provided). If a PO includes your terms & conditions, Envirolab hereby expressly rejects and will not be bound by any external or third-party terms and conditions, including those referenced or attached to a PO.

All services to be performed by Envirolab will be governed exclusively by Envirolab's General Terms and Conditions attached to this acknowledgement ([Envirolab Terms](#)) via hyperlink or found on our websites.

If you do not object in writing within two (2) business days of the date of this acknowledgement, you will be deemed to have accepted the Envirolab Terms. In addition, your provision of further instructions, additional samples, payment of any invoice, or acceptance of services or results from Envirolab will constitute acceptance of the Envirolab Terms. For clarity, Envirolab's commencement or continuation of work following receipt of the PO is performed solely under the Envirolab Terms and does not constitute acceptance of any external terms. All rights are expressly reserved.

CERTIFICATE OF ANALYSIS 403168

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Grant Russell
Address	18 Waler Crescent, Smeaton Grange, NSW, 2567

Sample Details

Your Reference	<u>239951.00, Camden</u>
Number of Samples	28 Material, 20 Paint, 6 Swab
Date samples received	27/02/2026
Date completed instructions received	27/02/2026

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	06/03/2026
Date of Issue	06/03/2026

NATA Accreditation Number 2901. This document shall not be reproduced except in full.

Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By

Analysed by Asbestos Approved Analyst: Lucy Zhu
 Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Larry Ye, Senior Chemist
 Lucy Zhu, Asbestos Supervisor
 Sally Chen, Metals prep team leader

Authorised By

Nancy Zhang, Laboratory Manager

Asbestos ID - Materials						
Our Reference	UNITS	403168-1	403168-3	403168-4	403168-5	403168-6
Your Reference		A1	A3	A4	A5	A6
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Material	Material	Material	Material	Material
Date analysed		05/03/2026	05/03/2026	05/03/2026	05/03/2026	05/03/2026
Dimension of Sample	-	35x25x5mm	60x40x5mm	135x90x2mm	25x10x7mm	85x40x5mm
Sample Description	-	Grey fibre cement material	Grey fibre cement material	Beige vinyl sheet & adhesive	White plaster material	White plaster material
Asbestos ID in Material	-	Chrysotile asbestos detected	Chrysotile asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
		Amosite asbestos detected	Amosite asbestos detected	Man-made vitreous fibres detected*		Organic fibres detected*
Residual Analysis	-	[NT]	[NT]	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - Materials						
Our Reference	UNITS	403168-7	403168-8	403168-9	403168-10	403168-11
Your Reference		A7	A8	A9	A10	A11
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Material	Material	Material	Material	Material
Date analysed		05/03/2026	05/03/2026	05/03/2026	05/03/2026	05/03/2026
Dimension of Sample	-	50x15x5mm	145x85x5mm	80x45x5mm	40x30x5mm	90x40x1mm
Sample Description	-	Grey fibre cement material	Grey fibre cement material	Grey fibre cement material	Grey fibre cement material	White vinyl sheet
Asbestos ID in Material	-	Chrysotile asbestos detected	Chrysotile asbestos detected	Chrysotile asbestos detected	Chrysotile asbestos detected	No asbestos detected
		Amosite asbestos detected	Amosite asbestos detected	Amosite asbestos detected	Amosite asbestos detected	Man-made vitreous fibres detected*
Residual Analysis	-	[NT]	[NT]	[NT]	[NT]	No asbestos detected

Asbestos ID - Materials						
Our Reference	UNITS	403168-13	403168-14	403168-17	403168-18	403168-20
Your Reference		A13	A14	A17	A18	A20
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Material	Material	Material	Material	Material
Date analysed		05/03/2026	05/03/2026	05/03/2026	05/03/2026	05/03/2026
Dimension of Sample	-	85x80x5mm	55x45x10mm	85x80x5mm	40x40x6mm	20x15x1mm
Sample Description	-	Grey fibre cement material	Beige fibrous plaster	Grey fibre cement material	Black rubbery material	White mica
Asbestos ID in Material	-	Chrysotile asbestos detected	No asbestos detected	Chrysotile asbestos detected	No asbestos detected	No asbestos detected
		Amosite asbestos detected	Organic fibres detected*	Amosite asbestos detected	Organic fibres detected*	
Residual Analysis	-	[NT]	No asbestos detected	[NT]	No asbestos detected	No asbestos detected

Asbestos ID - Materials						
Our Reference	UNITS	403168-21	403168-22	403168-23	403168-49	403168-50
Your Reference		A21	A22	A25	ACM1	ACM2
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Material	Material	Material	Material	Material
Date analysed		05/03/2026	05/03/2026	05/03/2026	05/03/2026	05/03/2026
Dimension of Sample	-	60x35x1mm	90x40x10mm	100x40x10mm	95x65x5mm	125x95x5mm
Sample Description	-	Beige vinyl tile	White plaster & fibrous backing	Brown organic fibrous material	Grey fibre cement material	Grey fibre cement material
Asbestos ID in Material	-	Chrysotile asbestos detected	No asbestos detected	No asbestos detected	Chrysotile asbestos detected	Chrysotile asbestos detected
			Organic fibres detected*	Organic fibres detected*	Amosite asbestos detected	
Residual Analysis	-	[NT]	No asbestos detected	No asbestos detected	[NT]	[NT]

Asbestos ID - Materials				
Our Reference		403168-51	403168-52	403168-53
Your Reference	UNITS	ACM3	A23	A24
Date Sampled		25/02/2026	25/02/2026	25/02/2026
Type of sample		Material	Material	Material
Date analysed		05/03/2026	05/03/2026	05/03/2026
Dimension of Sample	-	100x60x5mm	80x55x6mm	20x20x2mm
Sample Description	-	Grey fibre cement material	White fibrous plaster	White mica
Asbestos ID in Material	-	Chrysotile asbestos detected	No asbestos detected	No asbestos detected
		Amosite asbestos detected	Organic fibres detected*	
Residual Analysis	-	[NT]	No asbestos detected	No asbestos detected

Lead in Paint						
Our Reference	UNITS	403168-24	403168-25	403168-26	403168-27	403168-28
Your Reference		P1	P2	P3	P4	P5
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Date analysed	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Lead in paint	%w/w	0.084	<0.005	0.050	<0.005	0.04

Lead in Paint						
Our Reference	UNITS	403168-29	403168-30	403168-31	403168-32	403168-33
Your Reference		P6	P7	P8	P9	P10
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Date analysed	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Lead in paint	%w/w	<0.005	0.26	2.6	0.02	0.04

Lead in Paint						
Our Reference	UNITS	403168-34	403168-35	403168-36	403168-37	403168-38
Your Reference		P11	P12	P13	P14	P15
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Date analysed	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Lead in paint	%w/w	0.057	0.02	0.077	0.32	0.21

Lead in Paint						
Our Reference	UNITS	403168-39	403168-40	403168-41	403168-42	403168-43
Your Reference		P16	P17	P18	P19	P20
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Date analysed	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Lead in paint	%w/w	0.04	0.064	0.16	0.21	0.10

Lead in swab						
Our Reference		403168-44	403168-45	403168-46	403168-47	403168-48
Your Reference	UNITS	D1	D2	D3	D4	D5
Date Sampled		25/02/2026	25/02/2026	25/02/2026	25/02/2026	25/02/2026
Type of sample		Swab	Swab	Swab	Swab	Swab
Date prepared	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Date analysed	-	04/03/2026	04/03/2026	04/03/2026	04/03/2026	04/03/2026
Lead	µg/swab	2	2	40	63	66

Lead in swab		
Our Reference		403168-54
Your Reference	UNITS	D6
Date Sampled		25/02/2026
Type of sample		Swab
Date prepared	-	04/03/2026
Date analysed	-	04/03/2026
Lead	µg/swab	41

Method ID	Methodology Summary
ASB-003	Asbestos ID –Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques as per Australian Standard 5370. When Inconclusive mineral fibres are detected by polarised light microscopy including dispersion staining, these fibres may or may not be asbestos fibres. To confirm the identities, another independent analytical technique may be required. When asbestos presence is reported below the reporting limit of 0.01%w/w, the result is not covered by AS5370 and is supplied for information purposes only as required by some state jurisdictions.
Metals-020/021/022	Digestion of Paint chips/scrapings/liquids for Metals determination by ICP-AES/MS and or CV/AAS.
Metals-020/021/022	Acid digestion of Dust wipes/swabs and /or miscellaneous samples for metals determination by ICP-AES/MS and/or CV-AAS Submission of low masses of sample e.g. for dust samples, may result in raised PQLs.

QUALITY CONTROL: Lead in Paint					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date prepared	-			04/03/2026	29	04/03/2026	04/03/2026		04/03/2026	[NT]
Date analysed	-			04/03/2026	29	04/03/2026	04/03/2026		04/03/2026	[NT]
Lead in paint	%w/w	0.005	Metals-020/021/022	<0.005	29	<0.005	<0.005	0	97	[NT]

QUALITY CONTROL: Lead in Paint					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			[NT]	36	04/03/2026	04/03/2026		04/03/2026	[NT]
Date analysed	-			[NT]	36	04/03/2026	04/03/2026		04/03/2026	[NT]
Lead in paint	%w/w	0.005	Metals-020/021/022	[NT]	36	0.077	0.092	18	94	[NT]

QUALITY CONTROL: Lead in swab						Duplicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			04/03/2026	[NT]	[NT]	[NT]	[NT]	04/03/2026	[NT]
Date analysed	-			04/03/2026	[NT]	[NT]	[NT]	[NT]	04/03/2026	[NT]
Lead	µg/swab	1	Metals-020/021/022	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates can be downloaded from the [Envirolab Resources website](#) or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.

Report Comments

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

Appendix J

Data Quality Assurance and Quality Control

1. Field and Laboratory Data Quality Assurance and Quality Control

The field and laboratory data quality assurance and quality control (QA/QC) procedures and results are summarised in the following Table 1. Reference should be made to the field work methodology and the laboratory results / certificates of analysis for further details. The relative percentage difference (RPD) results, along with the other field QC samples are included at the end of this appendix.

Table 1: Field and laboratory quality control

Item	Evaluation / acceptance criteria	Compliance
Analytical laboratories used	NATA accreditation	C
Holding times	Various based on type of analysis	C
Intra-laboratory replicates	10% of primary samples; <30% RPD	C
Trip Spikes	1 per sampling event; 60-140% recovery	C
Trip Blanks	1 per sampling event; <PQL	C
Laboratory/Reagent Blanks	1 per batch; <PQL	C
Laboratory Duplicate	1 per lab batch; As laboratory certificate	C
Matrix Spikes	1 per lab batch; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Surrogate Spikes	All organics analysis; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Control Samples	1 per lab batch; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Standard Operating Procedures (SOP)	Adopting SOP for all aspects of the sampling field work	C

Notes:

C = compliance; PC = partial compliance; NC = non-compliance

The RPD results were all within the acceptable range, with the exception of those indicated in Table QA1 (results in bold). The exceedances are not, however, considered to be of concern given that:

- The actual differences in the concentrations of the replicate pairs where RPD exceedances occurred were typically low;
- The replicate pairs were collected from fill soils which by its nature are heterogeneous;
- Replicates, rather than homogenised duplicates, were used to minimise risk of volatile loss, hence greater analytical variability between replicate pairs can be expected;
- Most of the recorded concentrations were relatively close to the PQL;

- The majority of RPD results from a replicate pair were within the acceptable limits; and
- All other QA/QC parameters met the data quality indicators.

In summary, the QC data is determined to be of sufficient quality to be considered acceptable for the assessment.

2. Data Quality Indicators

The reliability of field procedures and analytical results was assessed against the following data quality indicators (DQI) as outlined in NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)* [NEPM] (NEPC, 2013):

- Completeness: a measure of the amount of usable data from a data collection activity;
- Comparability: the confidence (qualitative) that data may be considered to be equivalent for each sampling and analytical event;
- Representativeness: the confidence (qualitative) of data representativeness of media present on-site;
- Precision: a measure of variability or reproducibility of data; and
- Accuracy: a measure of closeness of the data to the 'true' value.

Table 2: Data quality indicators

Data quality indicator	Method(s) of achievement
Completeness	Systematic and selected target locations sampled.
	Preparation of borehole logs, sample location plan and chain of custody records.
	Laboratory sample receipt information received confirming receipt of samples intact and appropriateness of the chain of custody.
	Samples analysed for contaminants of potential concern (COPC) identified in the conceptual site model (CSM).
	Completion of chain of custody (COC) documentation.
	NATA accredited laboratory results certificates provided by the laboratory.
	Satisfactory frequency and results for field and laboratory quality control (QC) samples as discussed in Section 1.
Comparability	Using appropriate techniques for sample recovery, storage and transportation, which were the same for the duration of the project.
	Experienced sampler(s) used.
	Use of NATA registered laboratories, with test methods the same or similar between laboratories.
	Satisfactory results for field and laboratory QC samples.

Data quality indicator	Method(s) of achievement
Representativeness	Target media sampled.
	Sample numbers recovered and analysed are considered to be representative of the target media and complying with DQO.
	Samples were extracted and analysed within holding times.
	Samples were analysed in accordance with the COC.
Precision	Field staff followed standard operating procedures.
	Acceptable RPD between original samples and replicates.
	Satisfactory results for all other field and laboratory QC samples.
Accuracy	Field staff followed standard operating procedures.
	Satisfactory results for all field and laboratory QC samples.

Based on the above, it is considered that the DQI have been complied with.

3. Conclusion

Based on the results of the field QA and field and laboratory QC, and evaluation against the DQI it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

4. References

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

Table QA1: Summary of QC results for RPDs

Analyte	Units	PQL	RPD acceptance	BD1/260219	TP7@0-0.1	RPD	BD3/260219	TP5@0-0.1	RPD
Depth					0.1m			0.1m	
Sample d date				19/02/26	19/02/26		19/02/26	19/02/26	
Lab report no.				402843	402843		402843	402843	
Matrix				Soil	Soil		Soil	Soil	
Metals									
Arsenic	mg/kg	4	30%	9	9	0%	8	8	0%
Cadmium	mg/kg	0.4	30%	< 0.4	< 0.4	0%	< 0.4	< 0.4	0%
Chromium (Total)	mg/kg	1	30%	12	13	8%	13	13	0%
Copper	mg/kg	1	30%	29	29	0%	23	23	0%
Lead	mg/kg	1	30%	37	29	24.24%	34	32	6.06%
Mercury	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Nickel	mg/kg	1	30%	19	19	0%	16	16	0%
Zinc	mg/kg	1	30%	98	79	21.47%	54	54	0%
TRH (NEPM 2013)									
TRH C6-C10	mg/kg	25	30%	< 25	< 25	0%	< 25	< 25	0%
TRH >C10-C16	mg/kg	50	30%	< 50	< 50	0%	< 50	< 50	0%
TRH F1 (C6-C10 minus BTEX)	mg/kg	25	30%	< 25	< 25	0%	< 25	< 25	0%

Table QA1: Summary of QC results for RPDs

Analyte	Units	PQL	RPD acceptance	BD1/260219	TP7@0-0.1	RPD	BD3/260219	TP5@0-0.1	RPD
Depth					0.1m			0.1m	
Sampled date				19/02/26	19/02/26		19/02/26	19/02/26	
Lab report no.				402843	402843		402843	402843	
Matrix				Soil	Soil		Soil	Soil	
TRH F2 (>C10-C16 minus napht halene)	mg/kg	50	30%	< 50	< 50	0%	< 50	< 50	0%
TRH F3 (>C16-C34)	mg/kg	100	30%	< 100	< 100	0%	< 100	< 100	0%
TRH F4 (>C34-C40)	mg/kg	100	30%	< 100	< 100	0%	< 100	< 100	0%
TRH (NEPM 1999)									
TRH C6-C9	mg/kg	25	30%	< 25	< 25	0%	< 25	< 25	0%
TRH C10-C14	mg/kg	50	30%	< 50	< 50	0%	< 50	< 50	0%
TRH C15-C28	mg/kg	100	30%	< 100	< 100	0%	< 100	< 100	0%
TRH C29-C36	mg/kg	100	30%	< 100	< 100	0%	< 100	< 100	0%
TRH C10-C36 (sum)	mg/kg	50	30%	< 50	< 50	0%	< 50	< 50	0%

Table QA1: Summary of QC results for RPDs

Analyte	Units	PQL	RPD acceptance	BD1/260219	TP7@0-0.1	RPD	BD3/260219	TP5@0-0.1	RPD
Depth					0.1m			0.1m	
Sampled date				19/02/26	19/02/26		19/02/26	19/02/26	
Lab report no.				402843	402843		402843	402843	
Matrix				Soil	Soil		Soil	Soil	
TRH F1 (C6-C10 minus BTEX)	mg/kg	25	30%	< 25	< 25	0%	< 25	< 25	0%
TRH >C10-C16	mg/kg	50	30%	< 50	< 50	0%	< 50	< 50	0%
TRH C6-C10	mg/kg	25	30%	< 25	< 25	0%	< 25	< 25	0%
TRH F2 (>C10-C16 minus naphthalene)	mg/kg	50	30%	< 50	< 50	0%	< 50	< 50	0%
TRH F3 (>C16-C34)	mg/kg	100	30%	< 100	< 100	0%	< 100	< 100	0%
TRH F4 (>C34-C40)	mg/kg	100	30%	< 100	< 100	0%	< 100	< 100	0%
BTEXN (all)									
Benzene	mg/kg	0.2	30%	< 0.2	< 0.2	0%	< 0.2	< 0.2	0%
Toluene	mg/kg	0.5	30%	< 0.5	< 0.5	0%	< 0.5	< 0.5	0%
Ethylbenzene	mg/kg	1	30%	< 1	< 1	0%	< 1	< 1	0%

Table QA1: Summary of QC results for RPDs

Analyte	Units	PQL	RPD acceptance	BD1/260219	TP7@0-0.1	RPD	BD3/260219	TP5@0-0.1	RPD
Depth					0.1m			0.1m	
Sampled date				19/02/26	19/02/26		19/02/26	19/02/26	
Lab report no.				402843	402843		402843	402843	
Matrix				Soil	Soil		Soil	Soil	
Xylene (o)	mg/kg	1	30%	< 1	< 1	0%	< 1	< 1	0%
Xylene (m & p)	mg/kg	2	30%	< 2	< 2	0%	< 2	< 2	0%
Xylene (Total)	mg/kg	1	30%	< 1	< 1	0%	< 1	< 1	0%
Naphthalene (VOC)	mg/kg	1	30%	< 1	< 1	0%	< 1	< 1	0%
PAH									
Acenaphthene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Acenaphthylene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Anthracene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Benz(a)anthracene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Benz(a)pyrene	mg/kg	0.05	30%	0.1	0.1	0%	0.2	0.1	66.67%
Benz(b+j+k)fluoranthene	mg/kg	0.2	30%	< 0.2	< 0.2	0%	0.2	< 0.2	0%

Table QA1: Summary of QC results for RPDs

Analyte	Units	PQL	RPD acceptance	BD1/260219	TP7@0-0.1	RPD	BD3/260219	TP5@0-0.1	RPD
Depth					0.1m			0.1m	
Sampled date				19/02/26	19/02/26		19/02/26	19/02/26	
Lab report no.				402843	402843		402843	402843	
Matrix				Soil	Soil		Soil	Soil	
Benz o(g,h,i)perylene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	0.1	< 0.1	0%
Chrysene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Diben z(a,h)anthracene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Fluoranthene	mg/kg	0.1	30%	0.2	0.2	0%	0.2	0.2	0%
Fluorene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	0.1	< 0.1	0%
Naphthalene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	< 0.1	< 0.1	0%
Phenanthrene	mg/kg	0.1	30%	< 0.1	< 0.1	0%	0.1	< 0.1	0%
Pyrene	mg/kg	0.1	30%	0.2	0.2	0%	0.2	0.2	0%
Benz o(a)pyrene TEQ calc (Zero)	mg/kg	0.5	30%	< 0.5	< 0.5	0%	< 0.5	< 0.5	0%

Table QA1: Summary of QC results for RPDs

Analyte	Units	PQL	RPD acceptance	BD1/260219	TP7@0-0.1	RPD	BD3/260219	TP5@0-0.1	RPD
Depth					0.1m			0.1m	
Sampled date				19/02/26	19/02/26		19/02/26	19/02/26	
Lab report no.				402843	402843		402843	402843	
Matrix				Soil	Soil		Soil	Soil	
Benz o(a)pyrene TEQ calc (0.5 PQL))	mg/kg	0.5	30%	< 0.5	< 0.5	0%	< 0.5	< 0.5	0%
Benz o(a)pyrene TEQ (PQL)	mg/kg	0.5	30%	< 0.5	< 0.5	0%	< 0.5	< 0.5	0%
Total PAH (sum of analysed)	mg/kg	0.05	30%	0.5	0.5	0%	1.2	0.5	82.35%
VOC									
Benzene	mg/kg	0.2	30%	< 0.2	< 0.2	0%	< 0.2	< 0.2	0%
Toluene	mg/kg	0.5	30%	< 0.5	< 0.5	0%	< 0.5	< 0.5	0%
Ethylbenzene	mg/kg	1	30%	< 1	< 1	0%	< 1	< 1	0%
Xylene (m & p)	mg/kg	2	30%	< 2	< 2	0%	< 2	< 2	0%
Xylene (o)	mg/kg	1	30%	< 1	< 1	0%	< 1	< 1	0%
Naphthalene (VOC)	mg/kg	1	30%	< 1	< 1	0%	< 1	< 1	0%
Other									

Table QA1: Summary of QC results for RPDs

Analyte	Units	PQL	RPD acceptance	BD1/260219	TP7@0-0.1	RPD	BD3/260219	TP5@0-0.1	RPD
Depth					0.1m			0.1m	
Sampled date				19/02/26	19/02/26		19/02/26	19/02/26	
Lab report no.				402843	402843		402843	402843	
Matrix				Soil	Soil		Soil	Soil	
Moisture Content	%	0.1	30%	16	16	0%	11	12	8.7%
TRH >C10-C40 (sum)	mg/kg	50	30%	< 50	< 50	0%	< 50	< 50	0%

Notes:

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

Results shaded pink are above acceptance criteria

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

PQL - practical quantitation limit

RPD – relative percent difference

Table QA2: Summary of QC results for Trip Blank

Analyte			Trip Blank
Sample d date	Units	PQL	19/02/26
Lab report no.			402843
TRH/TPH			
TRH C6- C10	mg/kg	25	< 25
TRH F1 (C6- C10 minu s BTEX	mg/kg	25	< 25
TRH C6- C9	mg/kg	25	< 25
BTEX			
Benz ene	mg/kg	0.2	< 0.2
Tolue ne	mg/kg	0.5	< 0.5
Ethyl benz ene	mg/kg	1	< 1
Xyle ne (m &	mg/kg	2	< 2
Xyle ne	mg/kg	1	< 1

Notes:

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

Results shaded pink are above acceptance criteria

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

PQL - practical quantitation limit

RPD – relative percent difference

Table QA3: Summary of QC results for Trip Spike

Analyte	Units	PQL	Trip Spike
Sample d date			19/02/26
Lab report no			402843
BTEX			
Benz ene	%	0.2	101
Tolue ne	%	0.5	102
Ethyl benz ene	%	1	101
Xylen e (m & p)	%	2	101
Xylen e (o)	%	1	100

Notes:

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

Results shaded pink are above acceptance criteria

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

PQL - practical quantitation limit

RPD – relative percent difference