



APPENDIX 19

Preliminary Site Investigation & Site Contamination (Soil) Investigations : LBWco

Southern Barossa Winery
and Tourist
Accommodation Project

Site Contamination (Soil) Investigations

For Tweedies Gully Property
Pty Ltd (c/- Turner &
Townsend)

Southern Barossa Winery and Tourist Accommodation Project Site Contamination (Soil) Investigations

Client: Tweedies Gully Property Pty Ltd (c/- Turner & Townsend)

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Abbreviations

ACM	Asbestos-containing material
AF	Asbestos fines
ASC NEPM	National Environment Protection (Assessment of Site Contamination) Measure 1999 (amended 2013)
B(a)P	benzo(a)pyrene
BTEX	benzene, toluene, ethylbenzene, xylenes
COC	Chain of custody
EHS	Environment, Health and Safety
EPA	Environment Protection Authority, Government of South Australia
FA	Fibrous asbestos
IW	Intermediate Waste
LBWco	LBW co Pty Ltd
LLCW	Low-level Contaminated Waste
LOR	Limit of Reporting
mBGL	metres below ground level
mg/kg	milligrams per kilogram
mg/L	milligrams per litre
NATA	National Association of Testing Authorities
PAH	Polycyclic aromatic hydrocarbons
PID	Photoionisation detector
ppm	Parts per million
QA/QC	Quality assurance / quality control
RPD	Relative percentage difference
SA	South Australia
SD	Standard deviation
TRH	Total recoverable hydrocarbons
UCL	Upper confidence limit
WF	Waste Fill
WGA	Wallbridge Gilbert Aztec

Executive Summary

LBW co Pty Ltd (LBWco) were engaged by Tweedies Gully Property Pty Ltd (TGP) c/o Turner & Townsend (T&T) to undertake site contamination (soil) investigations to provide inputs into the preparation of an Environmental Impact Statement (EIS) for the development at allotment 102, Huffnangsthal Road, Williamstown, SA, 5361 (the site). The site location is shown on Figure 1 in Appendix A.

TGP seeks to develop the existing vineyard site into a five-star tourism accommodation facility with conference, function and spa/wellness facilities, a new winery and cellar door, associated vineyards and ancillary works.

The site contamination (soil) investigations were undertaken concurrently with the undertaking of geotechnical soil investigations by WGA. The objective of the investigations were to provide assurance that appropriate soil contamination investigations have been undertaken and that soil generated from earthworks is managed in accordance with EPA guidelines, including for re-use on site or removal of material off-site for re-use, treatment or disposal.

Prior to the undertaking of these investigations LBWco had previously completed a Preliminary Site Investigation (PSI) which identified that the site remained vacant and undeveloped until vineyard plantation commenced in the 1970's. The site has been used as a commercial vineyard until present times.

In terms of potentially contaminating activities (PCAs) whilst it is arguable that vineyards are rightly classified under the definition of Agricultural Activities as provided by State Planning Commission Practice Direction 14 (Site Contamination Assessment) and Environment Protection Regulations 2023, a somewhat precautionary approach was undertaken and the PCA was adopted for the purpose of the PSI and to inform potential contaminants of concern (PCOC) for these intrusive soil investigations.

Intrusive soil investigations were completed between 11 and 26 June 2025.

Soil and rock samples were recovered from sampling locations within the proposed footprint of the new winery and winery car park and the new hotel and hotel carpark. Owing to the presence of shallow bedrock within the elevated southern portion of the site (location of the new hotel and hotel carpark), a combination of drilling / excavation methods were used including, diamond coring and excavation with a 28 T excavator and rock breaker. Conventional push tube drilling and diamond drilling techniques were used in the lower and norther portions of the site (location of the new winery and winery carpark) where greater than 3 m of soil was generally present over the bedrock.

Selected soil and rock samples were submitted for laboratory analysis consistent with the identified PCA and PCOCs.

The intrusive soil boring and excavations undertaken within the proposed footprints of the winery and hotel, and their associated carpark generally identified consistent lithological features, these being:

- Within the proposed winery and winery carpark footprint: Topsoil comprising shallow sand/clayey sand layer (~ 0.2 – 0.7 mBGL) overlying a thick clay/sandy clay layer (~ 0.2 – 4.0 mBGL), which in turn was underlain by weathered siltstone bedrock
- Within the proposed hotel and hotel carpark footprint: Topsoil comprising clayey sand/sandy clay and clay layers from surface to a max depth of 0.6 mBGL which was generally in turn underlain by weathered siltstone bedrock. Deeper layers of sandy clay and clay were observed in the upper south-western portion of the site.

Field observations identified no visual or olfactory evidence of potential site contamination in any of the sampling locations and in any of the soil and soil/rock samples recovered from both of the winery and hotel footprints and their associated carpark footprints.

Chemical analysis of soil and soil/rock samples reported concentrations of pesticides (organochlorine and organophosphate pesticides), phenoxy acid herbicides and synthetic pyrethroids to be below the laboratory LOR in all samples analysed. This is considered material as these chemical substances were considered to be PCOCs associated with agricultural / vineyard use.

Based on field observations and analytical results and in the context of the matters to be considered in the EIS LBWco makes the following conclusions:

- Adequate and appropriate site contamination investigations have been undertaken to assess site contamination risk and the necessity or otherwise to require the implementation of site contamination specific environmental management measures during development.
- The concentration of chemical substances within the in-situ soil and rock materials assessed are not considered to pose an unacceptable risk to human health or ecological receptors for the proposed development and use of the site.
- No remediation or site-specific management is required with regards to health and ecological considerations for the proposed development and use of the site.
- On-site soils and rock materials can be reused within the development of the site without the need for the implementation of site contamination specific management measures, noting that it is the preference to retain rock material on-site for future landscaping.
- Should off-site disposal of surplus soils and/or rock materials be required to an EPA licensed landfill or waste depot these materials are classified as Waste Fill and require no specific future treatment or management measures.

The information provided in this report is subject to the limitations expressed in Section 10. The reader should make themselves aware of the limitations and how they relate to the conclusions provided

1 Introduction

LBW co Pty Ltd (LBWco) were engaged by Tweedies Gully Property Pty Ltd (TGP) c/o Turner & Townsend (T&T) to undertake site contamination (soil) investigations to provide inputs into the preparation of an Environmental Impact Statement (EIS) for the development at allotment 102, Huffnangsthal Road, Williamstown, SA, 5361 (the site). The site location is shown on Figure 1 in Appendix A.

The site contamination (soil) investigations were undertaken concurrently with the undertaking of geotechnical soil investigations by WGA. The objective of the investigations were to provide assurance that appropriate soil contamination investigations have been undertaken and that soil generated from earthworks is managed in accordance with EPA guidelines, including for re-use on site or removal of material off-site for re-use, treatment or disposal.

This report documents the objectives, methodology, results, and conclusions of site contamination (soil) investigations, which were undertaken in general accordance with LBWco's proposal to TGP on 9 May 2025. (LBWco ref. 241606_V01).

2 Development Overview and Context

TGP seeks to develop the existing vineyard site into a five-star tourism accommodation facility with conference, function and spa/wellness facilities, a new winery and cellar door, associated vineyards and ancillary works.

The Minister for Planning on 8 August 2024 declared that the development project be assessed as an Impact Assessed development pursuant to section 108(1)(c) of the *Planning, Development and Infrastructure Act 2016*. To assess the social, economic and environmental impacts for the project as a declared Impact Assessed development requires the preparation of an Environmental Impact Statement (EIS).

The project specific assessment requirements for input into the EIS relevant to LBWco include:

Environmental Attribute	Method of Investigation
Hazard & Risks: Site and Groundwater Contamination	Detail any known or potential on and off-site sources of contamination in a Preliminary Site Investigation (PSI) report prepared by a suitably qualified and experienced site contamination consultant in accordance with the National environment Protection (assessment of Site Contamination) Measure 1999 and the EPA publication Guidelines for the assessment and remediation of site contamination (2019). The PSI must be sufficient to provide an assessment of whether site contamination exists, may exist or is unlikely to exist.
Physical Environment: Soils, Landform and Geology	Ensure that appropriate soil contamination investigations have been undertaken and that soil generated from earthworks is managed in accordance with EPA guidelines, including for re-use on site or removal of material off-site for re-use , treatment or disposal.

LBWco has completed a PSI report which was presented in final form to TGP on 18 July 2025. Summarised findings of the PSI are presented in Section 3 of this report.

This site contamination (soil) investigation report addresses the soil investigations required to respond to the matters identified in Environmental Attribute: Soils, Landform and Geology. As instructed by Turner & Townsend the areal extent of the investigations was limited to the hotel building and carpark, and the winery building and carpark.

3 Summarised PSI Findings

3.1 Site History and Current Land Use Summary

The site has Certificate of Title records dating back to 1860, originally issued to the South Australian Company. Subsequent site ownership was predominantly comprised of farmers/graziers or private individuals.

The site remained vacant and undeveloped until vineyard plantation commenced, first visible in aerial imagery from 1979. Southcorp Wines Pty Ltd leased the site from 1996, coinciding with a significant increase in viticulture at the site.

The site is currently owned and operated by Tweedies Gully Property Pty Ltd and remains in use as a commercial vineyard.

The site (at the time of the site inspection) presents as a vineyard with no other distinguishing features or known previous activities or events relevant to the potential for any significant site contamination to exist.

3.2 Potentially Contaminating Activities

It is arguable that vineyards are rightly classified under the definition of Agricultural Activities as provided by PD14 and the EP Regulations however taking a somewhat precautionary approach the PCA was adopted for the purpose of the PSI.

A potentially complete source-pathway-receptor (SPR) relationship is possible in respect of residual pesticides, herbicides and/or fungicides being present within surface and shallow surface soils which may affect workers during the conduct of site development works. The potential for this risk to eventuate would be assessed through the conduct of subsequent intrusive soil investigations. No potential future risks to users of the winery and hotel complex were identified as future direct access to the soils where former vine alleys were located will be restricted (and significantly disturbed during development works) and public access to the remaining vineyards will be restricted.

No adjacent or off-site PCAs were identified.

Overall LBWco considered that the potential for any significant site contamination to be present on site was low to negligible but would be further assessed through the conduct of intrusive soil investigations (i.e. these investigations reported herein).

4 Soil Investigation Scope and Methodology

4.1 Regulatory Guidance

The investigations were undertaken with reference to guidance in the following publications:

- EPA, Guidelines for the Assessment and Remediation of Site Contamination (GAR), 2019
- EPA 889/10, Current criteria for the classification of waste including Industrial and Commercial Waste (Listed) and waste soil, 2010
- National Environment Protection Council 1999, National Environment Protection (Assessment of Site Contamination) Measure 1999 (ASC NEPM, as amended 2013)

4.2 Soil Sampling Scope

Sampling locations were generally determined by WGA's geotechnical work scope however, the sampling locations were considered to provide sufficient areal coverage within the footprint of future development works for the purpose of the site contamination (soil) investigations. Service location was undertaken prior to the commencement of drilling works by a professional service locating contractor engaged by WGA.

Soil and rock samples were recovered from sampling locations within the proposed footprint of the new winery and winery car park and the new hotel and hotel carpark. Owing to the presence of shallow bedrock within the elevated southern portion of the site (location of the new hotel and hotel carpark), a combination of drilling / excavation methods were used including, diamond coring and excavation with a 28 T excavator and rock breaker. Conventional push tube drilling and diamond drilling techniques were used in the lower and norther portions of the site (location of the new winery and winery carpark) where greater than 3 m of soil was generally present over the bedrock.

A summary of the sampling rationale is outlined in Table 2-1 below.

Table 4-1 Summary of Sampling Rationale

Development area	Sample matrix	Investigation locations	Drill depth (mBGL*)	Rationale
Winery footprint and carpark	Predominantly soil	Boreholes BH01-BH09	1.5 – 4.0	Push tube boring: Assess soil materials from surface topsoil to natural soils with sample recovery at each distinct soil lithology
		Boreholes BH13 – BH15**	8 - 10	Diamond core drilling. Assess soil materials from surface topsoil and natural soils, and bedrock with sample recovery at each distinct soil /rock lithology
Hotel footprint and carpark	Soil and bedrock	Excavation Test Pits TP1 – TP7	1.6 – 3	Excavation test pits: Assess soil materials from surface topsoil and natural soils, and bedrock with sample recovery at each distinct soil /rock lithology
		Boreholes BH10-BH12**	10	Geotechnical boreholes only.

*metres below ground level (mBGL)

**Environmental samples were only recovered during the drilling of BH15.

4.3 Fieldwork Methodology

The investigation methodology adopted for the undertaking of the soil investigations is summarised in Table 4-2 below.

Table 4-2 Summary of Fieldwork Methodology

Activity	Details
Dates of work	Field works were conducted between 11 - 26 June 2025
Environment, Health and Safety	Prior to the commencement of field activities, a site-specific EHS plan was prepared and reviewed onsite.
Soil drilling and sampling	The drilling and excavation was undertaken by experienced contractors engaged by WGA, using a geoprobe drill rig, diamond core drill rig or an excavator. Nine soil bores (BH01-BH09) were drilled via push-tube methodology to a maximum depth of 4 mBGL. An additional soil bores (BH10-BH15) were advanced via diamond coring to a maximum depth of 6 mBGL. LBWco only sampled BH15. Seven test pits were excavated (TP1-TP7) using a 28 T excavator to a maximum depth of 4 mBGL. Soil samples were recovered from soil bores and test pits at depth intervals considered appropriate by LBWco from both fill and natural materials, including weathered bedrock. Soil and rock samples were placed in clean and new sampling containers provided by Eurofins. Soil bore and test pit logs are provided in Appendix B.
Sample preservation	Samples were stored under chilled conditions in a portable cooler before and during delivery to the primary laboratory. Sample dispatch was performed in accordance with LBWco's chain of custody (COC) procedures.
Logging of soil profile based on AS1726-2017	Soils and rock materials at each sampling location were logged in general accordance with the guidance in AS1726-2017. Field indicators of potential contamination (e.g. foreign inclusions, staining and odour) were recorded.
Decontamination of sampling equipment	Reusable equipment was cleaned between sampling locations by scrubbing with a phosphate-free detergent solution, followed by a potable water rinse.
Quality control duplicate and blank sampling	An appropriate number of field duplicate and blank samples were collected for quality control purposes, based on the specifications detailed in the ASC NEPM. An equipment rinse blank sample was collected on each day of sampling from decontaminated sampling equipment to demonstrate that decontamination procedures effectively avoided cross-contamination by the sampling equipment. A trip blank sample accompanied each sample batch to the primary laboratory.
Reinstatement of soil bores	All soil bore and test pit reinstatements were the responsibility of WGA.
Analytical testing	Selected samples were submitted for analysis of potential contaminants of concern typically associated with agricultural / vineyard activities • Metals • Organochlorine Pesticides (OCP) • Organophosphate Pesticides (OPP) • Phenoxy Acid Herbicides • Synthetic Pyrethroids • A broad suite of chemicals included in the SA EPA Guidance 889/10 Current criteria for the classification of waste including Industrial and Commercial Waste (Listed) and waste soil, 2010 Analytical testing was undertaken by Eurofins and Envirolab, who are accredited by the National Association of Testing Authorities (NATA) for the analyses performed. Laboratory certificates are presented in Appendix E.

5 Screening Criteria and Guidelines

5.1 Risk Based Criteria

The ASC NEPM provides a nationally consistent framework for assessing the presence and significance of site contamination in soil and groundwater. The NEPM methodology is based on assessing potential for an unacceptable risk to human health or the environment through concentrations of chemical substances using conservative, generic investigation levels for various environmental settings and land use scenarios.

Investigation levels are defined in the ASC NEPM as "concentrations of a contaminant above which further appropriate investigation and evaluation will be required. They are not clean up or response levels". A response level is defined as "the concentration of a contaminant at a specific site based on a site assessment for which some form of response is required to provide an adequate margin of safety to protect public health and/or the environment".

If an investigation and/or screening level is exceeded at a site, the nature of the appropriate response is typically determined by a site-specific environmental or human health risk assessment.

5.2 Human Health Guidelines

5.2.1 Human Health Investigation Guidelines

ASC NEPM Health Investigation Levels (HILs) have been developed for a broad range of metals, inorganic and organic substances and are generally applicable for assessing human health risk via all relevant exposure pathways. Interim soil vapour HILs are applicable for inhalation pathways.

HILs are generic to all soil types and vary with land use and associated exposure scenarios

The following HILs were adopted:

- ASC NEPM HIL C – Recreational¹.

The adopted HILs are shown in the chemical summary table in Appendix C.

5.2.2 Human Health Screening Guidelines

Given the nature of the site and proposed upgrade work soil health screening levels for direct contact were considered to be the most relevant exposure pathway.

The following Health Screening Levels (HSL) were adopted:

- CRC CARE HSL C – Recreational/Open Space²
- ASC NEPM HSL A/B Vapour Intrusion – Residential³.

The adopted HSLs are shown in the chemical summary table in Appendix C.

¹ ASC NEPM does not prescribe a generic land use for hotel, winery or tourism use. HIL C – Recreational land use setting was adopted because it provides for elements of open space use, including parks and footpaths and generally provides more conservative risk-based concentrations than HIL B which is intended for residential use with minimal opportunities for direct soil access.

² CRC CARE does not prescribe a generic land use for hotel, winery or tourism use. HSL C – Recreational/Open Space land use setting was adopted because it provides for elements of open space use, including parks and footpaths and generally provides more conservative risk-based concentrations than HIL B which is intended for residential use with minimal opportunities for direct soil access, and for intrusive maintenance (construction) workers.

³ ASC NEPM does not prescribe a generic land use for hotel, winery or tourism use. HSL A/B was adopted to provide a conservative assessment of potential vapour intrusion risk within indoor air spaces.

5.3 Ecological Guidelines

Chemical contaminants can adversely affect the ecological values of a site. The contaminant levels considered acceptable based on human health considerations may not afford protection to the local ecology. To consider the potential for toxicity to sensitive plants and animals, contaminant concentrations have also been compared to ecological investigation levels (EILs) and ecological screening levels (ESLs) presented in the ASC NEPM. These values typically only apply to the top 2 m of the soil profile where plants (and to a lesser degree animals) interact with the soil.

5.3.1 Ecological Investigation Levels

Generic EILs have been derived for As, Cu, Cr⁽³⁺⁾, DDT, naphthalene, Ni, Pb and Zn.

The following EILs were adopted:

- ASC NEPM generic EILs for urban residential areas and public open space⁴

The adopted EILs are presented in the chemical summary table in Appendix C, along with the site-specific EIL calculations.

5.3.2 Ecological Screening Levels

ESLs are limited to petroleum hydrocarbons (expressed as TPH), BTTEX and Benzo(a)pyrene.

The following ESLs were adopted:

- ASC NEPM Generic ESLs for urban residential areas and public open space⁵

The adopted ecological-based guidelines are presented in the chemical summary tables in Appendix C.

⁴ ASC NEPM does not prescribe a generic land use for hotel, winery or tourism use. ASC NEPM generic EILs for urban residential areas and public open space was adopted because it provides for range of exposure scenarios/land use settings presented by the intended future use of the site, and provides for a more conservative initial assessment than would occur through the adoption of EILs for commercial / industrial land use. The future use of the site does not include areas of ecological significance.

⁵ ASC NEPM does not prescribe a generic land use for hotel, winery or tourism use. ASC NEPM generic ESLs for urban residential areas and public open space was adopted because it provides for range of exposure scenarios/land use settings presented by the intended future use of the site, and provides for a more conservative initial assessment than would occur through the adoption of ESLs for commercial / industrial land use. The future use of the site does not include areas of ecological significance.

5.4 Management Limits

In addition to risk-based human health and ecological guidelines, the ASC NEPM provides management limits that consider other potentially unacceptable impacts of hydrocarbon contamination. These include the potential for free-phase formation of impacts in underlying groundwater, fire and explosive hazards, effects on buried infrastructure, and aesthetic considerations. The management limits for residential, parkland and public open space land use and coarse-grained and fine soils was adopted for the assessment.

5.5 Soil Disposal Criteria

Criteria listed in information sheet EPA (2010) Current Criteria for the Classification of Waste including Commercial and Industrial Waste (Listed) and Waste Soil (EPA 889/10), were used to assess the potential classification of waste soils for off-site disposal.

The waste soil classifications, listed by severity of contamination from lowest to highest, are:

- Waste Fill (WF)
- Intermediate Waste (IW)
- Low-Level Contaminated Waste (LLCW)

Maximum permissible dry weight chemical concentrations for these soil classifications are referred to collectively as the soil disposal criteria and are presented in soil chemical data tables in Appendix C.

The highlighting of sample concentrations on the appended waste classification table indicates the resulting waste classification for that concentration.

In addition to the chemical content, consideration was given to the physical requirements of WF as defined in the *Environment Protection Regulations 2023*. "Waste Fill" is defined as containing clay, concrete, rock, sand, soil, or other inert mineralogical matter in pieces not exceeding 100 mm in length (but does not include waste consisting of or containing asbestos or bitumen).

6 Results and Findings

6.1 Field Observations

Borehole and test pit logs are presented in Appendix B.

No fill or anthropogenic inclusions were found throughout the boreholes and test pits.

Boreholes conducted in the northern portion of site targeting the winery footprint and car park are described as:

- Topsoil: Shallow sand/clayey sand layer (0.2 – 0.7 mBGL) overlying a thick clay/sandy clay layer (0.2 – 4.0 mBGL)
- Infrequent sand/clayey sand layer found within larger clay layer in BH07, 06, and 04, with thickness ranging from 0.2 – 1.6 m
- Trace rootlets and organic material found in shallow regions of boreholes.
- BH15 had interlayered weathered bedrock (siltstone) and sandy clay (2 – 6 mBGL) with siltstone described as slightly to moderately weathered, and sandy clay being pale yellow with trace rock fragments.

Test pit lithology in the southern portion of site targeting the hotel footprint and carpark are characterised by:

- TP1-3 & TP6-7 had clayey sand/sandy clay and clay layers from surface to a max depth of 0.6 mBGL (TP3 and TP7)
- Underlying this is a siltstone bedrock layer characterised as highly weathered from a minimum depth of 0.15 (TP1) to termination depth.
- TP4 and TP5 did not have a bedrock layer, instead had a sandy clay layer overlying a clay layer extending to test pit termination depth, described as red-brown or yellow-brown. TP4 surface layer extended to 0.6 mBGL, and the TP5 surface layer extended to 0.2 mBGL.

Groundwater was not encountered in any of the boreholes or test pits from which samples were recovered for environmental (site contamination) investigation purposes.

6.2 Laboratory Results

Soil chemical summary tables are presented in Appendix C, and laboratory certificates are presented in Appendix E.

6.2.1 Risk Assessment

Human Health

Comparison of laboratory results with the adopted human health risk guidelines outlined in section 5.2 did not identify any exceedances in any of the soil and soil/rock samples recovered from within both of the winery and hotel footprints and their associated carpark footprints.

Concentrations of pesticides (organochlorine and organophosphate pesticides), phenoxy acid herbicides and synthetic pyrethroids, and mineral oils in all soil and soil/rock samples analysed were reported to be below the laboratory limit of reporting (LOR).

Ecological

Comparison of laboratory results with the adopted ecological risk guidelines outlined in section 5.3 did not identify any exceedances in any of the soil and soil/rock samples recovered from both of the winery and hotel footprints and their associated carpark footprints.

Management Limits

Comparison of laboratory results with the adopted management limits outlined in section 5.4 did not identify any exceedances in any of the soil and soil/rock samples recovered from within both of the winery and hotel footprints and their associated carpark footprints.

6.2.2 Waste Classification

Exceedances of maximum permissible dry weight chemical substance concentrations for classification as Waste Fill were observed in numerous soil and soil/rock samples recovered from within both of the winery and hotel footprints and their associated carpark footprints. The exceedances were:

- barium (observed in 6 out of 46 samples)
- copper (observed in 6 out of 46 samples)
- manganese (observed in 5 out of 46 samples)

Where dry weight concentrations of chemical substances were observed to exceed an assessment criterion, the US EPA's Pro UCL program was used to calculate the 95% upper confidence level (UCL) for comparison to the waste classification maximum criteria, which is accepted by the ASC NEPM.

The ASC NEPM recommends the following when applying statistics for comparison of a data set to a single criterion:

- The maximum concentration detected should not exceed the criterion by more than 2.5 times (250%).
- The standard deviation of the data set should not exceed 50% of the criterion.
- The mean concentration at the 95% upper confidence level (95% UCL) should be less than the target criterion.

These parameters were assessed for the entire site. The Pro UCL outputs are provided in Appendix C and summarised in Table 4-1 below.

Chemical concentrations reported for barium, copper and manganese exceeded the WF criteria. Exceedances could not be delineated spatially, vertically, or by matrix type, these results exceedances would classify all material excavated onsite as IW.

Statistical analysis of chemical substances which reported individual dry weight concentrations above relevant waste classification criterion is presented in Table 4-1 below.

Table 6-1 Summary of Statistical Analysis

Analyte	No. Samples	Conc. Range	Waste Class. Maximum dry weight concentrations (mg/kg)			SD	95% UCL	Waste Class. Outcome
			WF	IW	LLCW			
Barium	46	57 - 470	300	-	-	88.92	218.4	WF
Copper	46	13 - 200	60	2,000	7,500	28.05	47.79	WF
Manganese	46	120 - 780	500	6,000	10,000	135.5	401.8	WF

Whilst strict application of the summary statistics for copper would have classified the soil and rock as Intermediate Waste there are other relevant matters that need to be considered in the context of assigning an overall waste classification, and the ASC NEPM allows for this by virtue of the three limbs of the statistical test being expressed in discretionary terms rather than mandatory terms. The other relevant matters for consider are as follows:

- The standard deviation of the copper data set did not exceed 50% of the criterion.
- The mean copper concentration at the 95% upper confidence level (95% UCL) was less than the target criterion.
- The observed arithmetic mean copper concentration (42.78 mg/kg) was less than the criterion value for classification as WF.
- The highest concentration of copper at 200 mg/kg was reported from a sample of weathered bedrock at depth which indicates that the copper that is present within the bedrock at this one location is naturally occurring and is not the result of a potential or actual contaminating activity.

For the above reasons LBWco concludes that any surplus soils and rock materials to be generated during development onsite can reasonably be classified for the purpose of off-site disposal to an EPA licensed waste depot as chemically compliant with Waste Fill, if required.

7 Data Quality Evaluation

An evaluation of quality control information for the soil assessment work and a statement of the data representativeness are provided below.

As part of the evaluation of laboratory chemical data, duplicate pair results were compared by determining the relative percentage difference (RPD) between the results. The RPD was calculated using the formula:

$$\text{RPD (\%)} = \frac{100(x_1 - x_2)}{[(x_1 + x_2)/2]}$$

where x1, x2 = duplicate results

Based on guidance provided in AS 4482.1-2005, a soil RPD within the range of -30% to 30% is considered to show acceptable agreement. Data is considered to have poor agreement where an RPD is outside this range.

Generally higher RPD values occur for organic compounds than for metals and where low concentrations of an analyte are recorded.

The results of the internal laboratory quality control procedures are provided within the laboratory certificates (Appendix E). The acceptance criterion for internal laboratory replicates is set at an RPD of -50% to 50%. Laboratory recoveries should be in the range 70% to 130%.

Table 5-1 indicates conformance to specific QA/QC requirements for soil data. Duplicate sample and equipment blank results are presented in Appendix D.

Table 7-1 Soil Data Validation

QA/QC Requirement	Compliant	Comment
Chain of custody documentation completed	Yes	All samples were transported under strict LBWco procedures and signed COC documents are included in Appendix E.
Samples delivered to the laboratory within sample holding times and with correct preservative	Yes	All samples were delivered to the contract laboratories within the sample holding times and in laboratory-supplied containers.
All analysis NATA accredited	Yes	Eurofins and Envirolab were NATA-accredited for all the analyses performed.
Required number of sample duplicate and blanks collected	Yes	Six intra-laboratory and three inter-laboratory duplicate samples were submitted for analysis, for the 44 primary samples tested.
Soil QA/QC samples reported RPDs within limits set by ASC NEPM and AS4482.1-2005	Mostly	Of the 289 duplicate pairs analysed, 282 had RPDs lower than 30% or otherwise demonstrated acceptable precision. Elevated RPD exceedances for metals were attributed to the heterogenous nature of soil and soil/rock materials and are not considered material in terms of the overall data quality and the assessment of risk-based and waste classification outcomes.
Blank results below laboratory limit of reporting (LOR)	Mostly	Concentrations of contaminants of interest assessed in the rinsate sample were below the laboratory LOR, except for zinc which showed a reading greater than LOR. As there are no zinc exceedances in the chemical summary tables, accordingly this is not considered material in terms of the overall data quality and the assessment of risk-based and waste classification outcomes.
Acceptable laboratory QC results	Mostly	Internal laboratory QC results were considered acceptable for majority of the results, with the following outliers reported: 1232223 Matrix spike recovery was outside recommended criteria for a polychlorinated biphenyl; an acceptable recovery was obtained for the laboratory control spike indicating a sample matrix

QA/QC Requirement	Compliant	Comment
		interference. PCB concentrations in all soil and soil/rock samples analysed were below the laboratory LOR, accordingly this is not considered material in terms of the overall data quality and the assessment of risk-based and waste classification outcomes MGF0248 Matrix spike % outlier was reported for manganese. An acceptable recovery was obtained by the control sample, indicating a matrix interference, accordingly this is not considered material in terms of the overall data quality and the assessment of risk-based and waste classification outcomes MGF0375 An anonymous internal duplicate sample from Enviro-lab had elevated RPDs for a range of metals. When comparing the inter-laboratory duplicate with the primary and intra-laboratory duplicate, metals are consistently reported lower. As the highest value of the triplicate is used for comparison with the guidelines, therefore the impact of this potential under reporting by Enviro-lab is negligible, and accordingly this is not considered material in terms of the overall data quality and the assessment of risk-based and waste classification outcomes. The overall acceptance rate for laboratory controls and the data quality were acceptable. All other hold times were complied with and internal laboratory duplicates, method blanks and laboratory control spikes were within the appropriate limits and considered acceptable. The laboratory QA/QC output is included in Appendix F.

Quality control results were generally within acceptable ranges accordingly, LBWco considered that the data quality was adequate for this assessment.

8 Discussion

Intrusive soil boring and excavations undertaken within the proposed footprints of the winery and hotel, and their associated carpark generally identified consistent lithological features, these being:

- Within the proposed winery and winery carpark footprint: Topsoil comprising shallow sand/clayey sand layer (~ 0.2 – 0.7 mBGL) overlying a thick clay/sandy clay layer (~ 0.2 – 4.0 mBGL), which in turn was underlain by weathered siltstone bedrock
- Within the proposed hotel and hotel carpark footprint: Topsoil comprising clayey sand/sandy clay and clay layers from surface to a max depth of 0.6 mBGL which was generally in turn underlain by weathered siltstone bedrock. Deeper layers of sandy clay and clay were observed in the upper south-western portion of the site.

Field observations identified no visual or olfactory evidence of potential site contamination in any of the sampling locations and in any of the soil and soil/rock samples recovered from both of the winery and hotel footprints and their associated carpark footprints.

Chemical analysis of soil and soil/rock samples reported concentrations of pesticides (organochlorine and organophosphate pesticides), phenoxy acid herbicides and synthetic pyrethroids to be below the laboratory LOR in all samples analysed. This is considered material as these chemical substances were considered to be PCOCs associated with agricultural / vineyard use.

Human Health and Ecological Risks

Comparison of laboratory results with the adopted human health and ecological risk guidelines did not identify any exceedances in any of the soil and soil/rock samples recovered from within both of the winery and hotel footprints and their associated carpark footprints.

Waste Classification

Statistical analysis coupled with professional judgement classifies the on-site soils and soil/rock materials as Waste Fill, should off-site disposal of surplus soil and/or rock materials be required during construction works. LBWco understand that any surplus rock materials generated from site preparation and construction works will preferentially be retained on-site for landscaping use.

9 Conclusions

Based on field observations and analytical results and in the context of the matters to be considered in the EIS LBWco makes the following conclusions:

- Adequate and appropriate site contamination investigations have been undertaken to assess site contamination risk and the necessity or otherwise to require the implementation of site contamination specific environmental management measures during development.
- The concentration of chemical substances within the in-situ soil and rock materials assessed are not considered to pose an unacceptable risk to human health or ecological receptors for the proposed development and use of the site.
- No remediation or site-specific management is required with regards to health and ecological considerations for the proposed development and use of the site.
- On-site soils and rock materials can be reused within the development of the site without the need for the implementation of site contamination specific management measures, noting that it is the preference to retain rock material on-site for future landscaping.
- Should off-site disposal of surplus soils and/or rock materials be required to an EPA licensed landfill or waste depot these materials are classified as Waste Fill and require no specific future treatment or management measures.

The information provided in this report is subject to the limitations expressed in Section 10. The reader should make themselves aware of the limitations and how they relate to the conclusions provided

10 Limitations

Scope of Services

This environmental site assessment report ("the report") has been prepared in accordance with the scope of services set out in the contract, or as otherwise agreed, between Tweedies Gully Property Pty Ltd (TGP) and LBW co Pty Ltd (LBWco) ("scope of services"). In some circumstances the scope of services may have been limited by a range of factors such as time, budget, access and/or site disturbance constraints.

Reliance on Data

In preparing the report, LBWco has relied upon data, surveys, analyses, designs, plans and other information provided by the TGP and other individuals and organisations, most of which are referred to in the report ("the data"). Except as otherwise stated in the report, LBWco has not verified the accuracy or completeness of the data. To the extent that the statements, opinions, facts, information, conclusions and/or recommendations in the report ("conclusions") are based in whole or part on the data, those conclusions are contingent upon the accuracy and completeness of the data. LBWco will not be liable in relation to incorrect conclusions should any data, information or condition be incorrect or have been concealed, withheld, misrepresented or otherwise not fully disclosed to LBWco.

Environmental Conclusions

In accordance with the scope of services, LBWco has relied upon the data and has conducted environmental field monitoring and/or testing in the preparation of the report. The nature and extent of monitoring and/or testing conducted is described in the report.

On all sites, varying degrees of non-uniformity of the vertical and horizontal soil or groundwater conditions are encountered. Hence no monitoring, common testing or sampling technique can eliminate the possibility that monitoring or testing results/samples are not totally representative of soil and/or groundwater conditions encountered. The conclusions are based upon the data and the environmental field monitoring and/or testing and are therefore merely indicative of the environmental condition of the site at the time of preparing the report, including the presence or otherwise of contaminants or emissions.

Also, it should be recognised that site conditions, including the extent and concentration of contaminants, can change with time.

Within the limitations imposed by the scope of services, the monitoring, testing, sampling and preparation of this report have been undertaken and performed in a professional manner, in accordance with generally accepted practices and using a degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances. No other warranty, expressed or implied, is made.

Report for Benefit of TGP

The report has been prepared for the benefit of the TGP and no other party. LBWco assumes no responsibility and will not be liable to any other person or organisation for or in relation to any matter dealt with or conclusions expressed in the report, or for any loss or damage suffered by any other person or organisation arising from matters dealt with or conclusions expressed in the report (including without limitation matters arising from any negligent act or omission of LBWco or for any loss or damage suffered by any other party relying upon the matters dealt with or conclusions expressed in the report). Other parties should not rely upon the report or the accuracy or completeness of any conclusions and should make their own enquiries and obtain independent advice in relation to such matters.

Other Limitations

LBWco will not be liable to update or revise the report to take into account, any events or emergent circumstances or facts occurring or becoming apparent after the date of the report.

11 References

- [1] Environment Protection Authority 2019, Guidelines for the assessment and remediation of site contamination, Adelaide.
- [2] EPA 889/10, Current criteria for the classification of waste including Industrial and Commercial Waste (Listed) and waste soil, 2010
- [3] National Environmental Protection Council 1999, National Environment Protection (Assessment of Site Contamination) Measure (as amended 2013).

Appendix A

Figures

List of Appendices

- A Figures
- B Soil Bore Logs
- C Soil Chemical Summary Tables
- D Quality Assurance and Quality Control
- E Laboratory Certificates

1 Introduction

LBW co Pty Ltd (LBWco) were engaged by Tweedies Gully Property Pty Ltd (TGP) c/o Turner & Townsend (T&T) to undertake site contamination (soil) investigations to provide inputs into the preparation of an Environmental Impact Statement (EIS) for the development at allotment 102, Huffnangsthal Road, Williamstown, SA, 5361 (the site). The site location is shown on Figure 1 in Appendix A.

The site contamination (soil) investigations were undertaken concurrently with the undertaking of geotechnical soil investigations by WGA. The objective of the investigations were to provide assurance that appropriate soil contamination investigations have been undertaken and that soil generated from earthworks is managed in accordance with EPA guidelines, including for re-use on site or removal of material off-site for re-use, treatment or disposal.

This report documents the objectives, methodology, results, and conclusions of site contamination (soil) investigations, which were undertaken in general accordance with LBWco's proposal to TGP on 9 May 2025. (LBWco ref. 241606_V01).

3 Summarised PSI Findings

3.1 Site History and Current Land Use Summary

The site has Certificate of Title records dating back to 1860, originally issued to the South Australian Company. Subsequent site ownership was predominantly comprised of farmers/graziers or private individuals.

The site remained vacant and undeveloped until vineyard plantation commenced, first visible in aerial imagery from 1979. Southcorp Wines Pty Ltd leased the site from 1996, coinciding with a significant increase in viticulture at the site.

The site is currently owned and operated by Tweedies Gully Property Pty Ltd and remains in use as a commercial vineyard.

The site (at the time of the site inspection) presents as a vineyard with no other distinguishing features or known previous activities or events relevant to the potential for any significant site contamination to exist.

3.2 Potentially Contaminating Activities

It is arguable that vineyards are rightly classified under the definition of Agricultural Activities as provided by PD14 and the EP Regulations however taking a somewhat precautionary approach the PCA was adopted for the purpose of the PSI.

A potentially complete source-pathway-receptor (SPR) relationship is possible in respect of residual pesticides, herbicides and/or fungicides being present within surface and shallow surface soils which may affect workers during the conduct of site development works. The potential for this risk to eventuate would be assessed through the conduct of subsequent intrusive soil investigations. No potential future risks to users of the winery and hotel complex were identified as future direct access to the soils where former vine alleys were located will be restricted (and significantly disturbed during development works) and public access to the remaining vineyards will be restricted.

No adjacent or off-site PCAs were identified.

Overall LBWco considered that the potential for any significant site contamination to be present on site was low to negligible but would be further assessed through the conduct of intrusive soil investigations (i.e. these investigations reported herein).

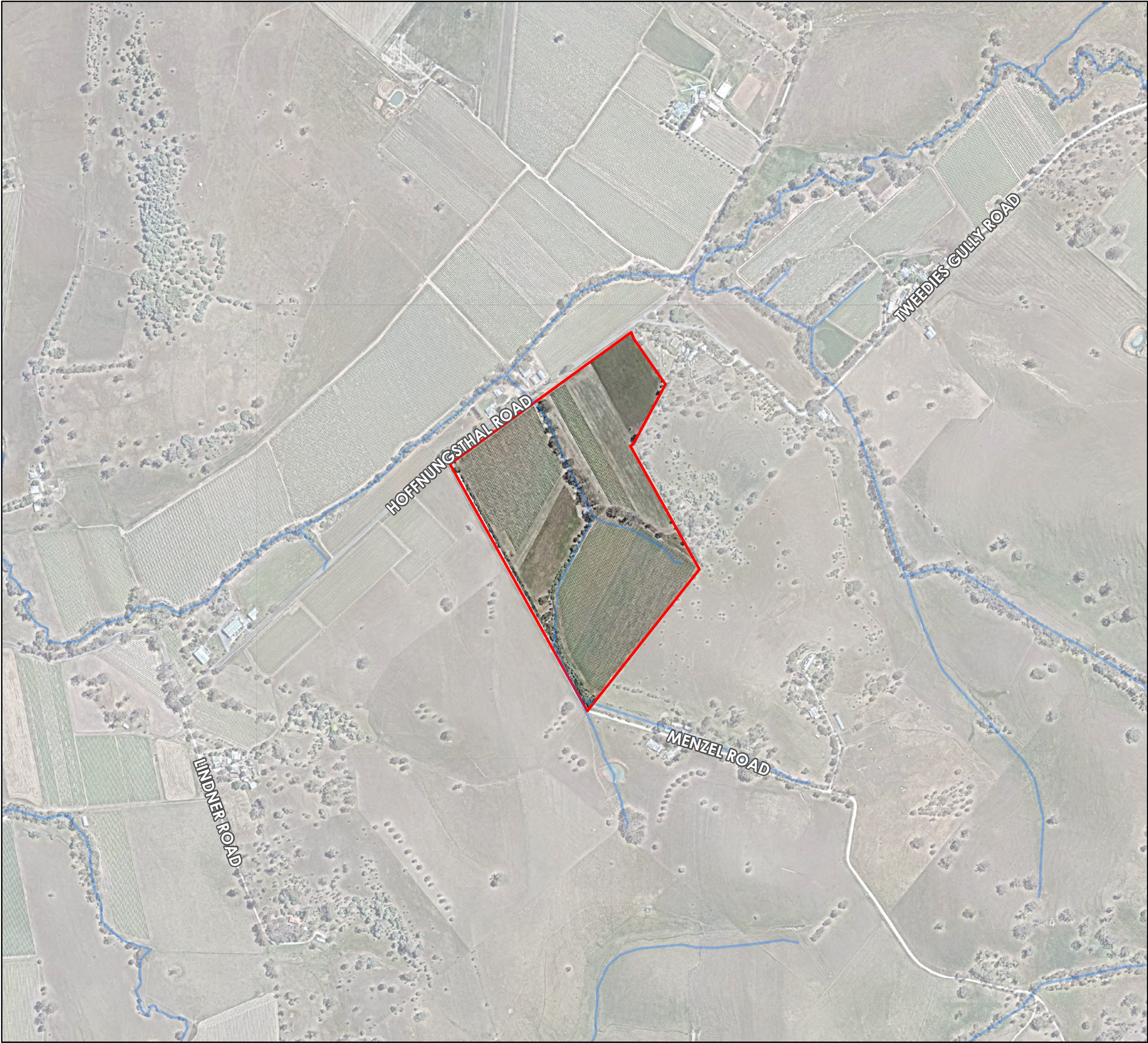


FIGURE 1
Site Location Plan

Site: Southern Barossa Winery and Tourist Accommodation Project

Project: Soil Assessment

Client: Tweedies Gully Property Pty Ltd (c/- T&T)

- Legend**
- Site boundary
 - Waterbody
 - Watercourse



low **co** | DELIVERING ENVIRONMENTAL SOLUTIONS

	0200400 m		
	Spatial Reference: GDA2020 MGA Zone 54		
	Source: Nearmap.com (Oct, 2024)		
Job No	241606	Scale at A3:	1:8,000
Drawn	TH	Rev	0
Approved		Date	3/07/2025

FIGURE 2

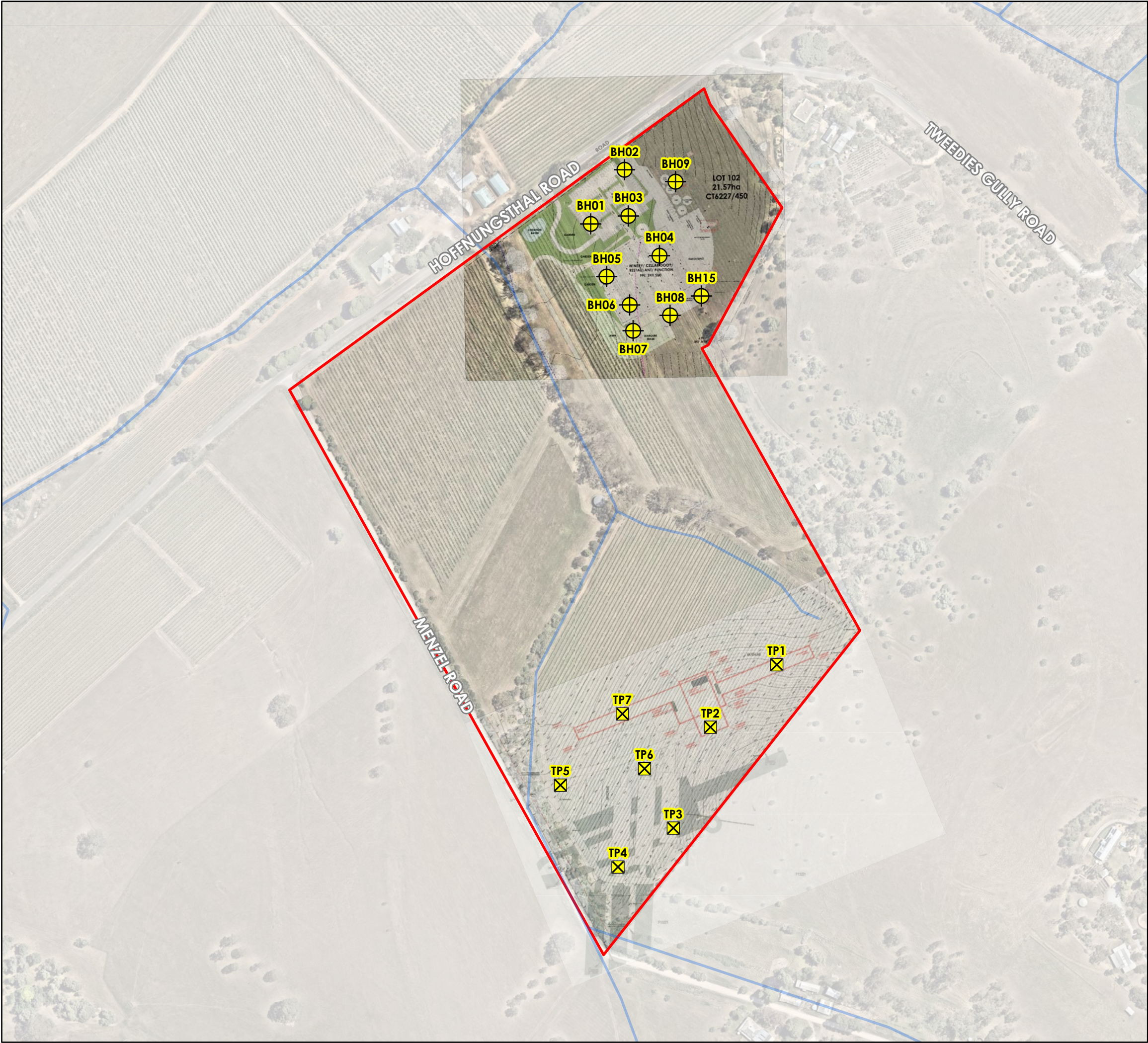
Investigation Locations

Site: Southern Barossa Winery and Tourist Accommodation Project

Project: Soil Assessment

Client: Tweedies Gully Property Pty Ltd (c/- T&T)

- Legend**
- Site boundary
 - Water course
 - Soil bore for environmental sampling
 - Test pit for environmental sampling



low CO | DELIVERING ENVIRONMENTAL SOLUTIONS

	Spatial Reference: GDA2020 MGA Zone 54		
	Source: Nearmap.com (Oct, 2024)		
Job No	241606	Scale at A3:	1:3,500
Drawn	TH	Rev	0
Approved		Date	3/07/2025

Appendix B

Soil Bore Logs



SOIL BORE BH01

PROJECT NUMBER 241606A-01	DRILLING DATE 11/06/2025	COORDINATES 305506.487, 6159824.933
PROJECT NAME SBWTA Soil Assessment	DRILLING COMPANY J&D Drilling	COORD SYSTEM GDA2020 MGA Zone 54
ADDRESS Lot 102, Hoffnungsthal Rd, Williamstown	DRILL RIG Geoprobe	LOGGED BY Gaetano Garfi
	DRILLING METHOD Push Tube	CHECKED BY 
	BOREHOLE DIAMETER (mm) 50	
	TOTAL DEPTH (mBGL) 1.50	

COMMENTS							
Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH01-01	BH01-05 BH01-06			SAND: dark brown, fine to medium, with clay, trace rootlets	M	
0.5	BH01-02				CLAY: red-brown with dark brown mottling, high plasticity, trace sand	D	From 1.3 m becoming mottled and sandier
1	BH01-03						
1.5	BH01-04						
					Termination Depth at:1.50 m		
2							
2.5							
3							
3.5							
4							



SOIL BORE BH02

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm) 50

TOTAL DEPTH (mBGL) 1.50

COORDINATES 308678.777, 6166515.298

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
0.5	BH02-01				SAND: dark brown, fine to medium, with clay, with rootlets, with organic matter	M	
	BH02-02				SAND: pale brown -yellow, fine to medium, trace clay, trace organic matter	D	
1	BH02-03				SANDY CLAY: pale brown with red mottling, moderate-high plasticity	D	
	BH02-04				CLAY: red-brown with dark brown mottling, high plasticity, trace sand	D	
1.5	BH02-05						
					Termination Depth at:1.50 m		
2							
2.5							
3							
3.5							
4							



SOIL BORE BH03

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm) 50

TOTAL DEPTH (mBGL) 1.50

COORDINATES 308691.652, 6166474.582

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY 

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH03-01				CLAYEY SAND: dark brown, fine to medium, with rootlets, with organic matter	M	
0.5	BH03-02				CLAY: red-brown with dark brown mottling, high plasticity, trace sand	D	From 1.3 m becoming mottled and sandier
1	BH03-03						
	BH03-04				CLAY: dark red-brown with grey mottling, high plasticity, trace sand	D	From 1.3 m becoming mottled and sandier
1.5	BH03-05				Termination Depth at:1.50 m		
2							
2.5							
3							
3.5							
4							



SOIL BORE BH04

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm) 50

TOTAL DEPTH (mBGL) 4.00

COORDINATES 308716.691, 6166430.34

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH04-01	BH04-09 BH04-10			CLAYEY SAND: dark brown, fine to medium, with rootlets, with organic matter	M	
0.5	BH04-02				CLAY: red-brown, high plasticity, with sand	D	
1	BH04-03						
1.5	BH04-04				SANDY CLAY: pale brown -yellow, moderate plasticity, trace rootlets	D	
2	BH04-05						
2.5	BH04-06				CLAY: red-brown -brown, moderate-high plasticity, with sand, trace rootlets	D	
3	BH04-07						
3.5	BH04-08				SANDY CLAY: pale brown, low-moderate plasticity	D	Sand increase on btm of layer
4					CLAYEY SAND: pale yellow-brown, fine to medium	D	
					Termination Depth at:4.00 m		



SOIL BORE BH05

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm) 50

TOTAL DEPTH (mBGL) 4.00

COORDINATES 308671.541, 6166413.756

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH05-01				CLAYEY SAND: dark brown, fine to medium, with rootlets, with organic matter	M	
	BH05-02				CLAY: red-brown, high plasticity, trace sand	D	
0.5							
	BH05-03						
1							
	BH05-04				SANDY CLAY: pale brown -yellow, moderate plasticity, trace rootlets	D	
1.5							
	BH05-05						
2							
	BH05-06						
2.5					SANDY CLAY: pale brown, low-moderate plasticity	D	Sand increase on btm of layer
3							
	BH05-08				SANDY CLAY: pale yellow-brown -brown, fine to medium	D	3.5 -3.7 became clayey sand
3.5							
	BH05-09						
4					Termination Depth at:4.00 m		



SOIL BORE BH06

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnugsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm) 50

TOTAL DEPTH (mBGL) 4.00

COORDINATES 308683.556, 6166390.26

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH06-01	BH06-10 BH06-11			SAND: dark brown, fine to medium, with clay, with rootlets, with organic matter	M	
0.5	BH06-02				CLAY: dark red-brown -brown, high plasticity, trace sand	D	
1	BH06-03				SANDY CLAY: pale brown with white mottling, low-moderate plasticity, trace gravel	D	Slightly calcareous
1.5	BH06-04				SANDY CLAY: pale brown, low plasticity	D	Becoming clayey sand at btm of layer
2	BH06-05						
	BH06-06						
2.5	BH06-07				CLAYEY SAND: pale red-brown -brown, low-moderate plasticity, with gravel, with black specks	D	
					CLAYEY SAND: brown, fine to medium	D	3.5 -3.7 became clayey sand
3							
	BH06-08				SAND: brown, fine to medium, with clay	D	3.5 -3.7 became clayey sand
3.5							
	BH06-09						
4					SANDY CLAY: pale brown	D	
					Termination Depth at:4.00 m		



SOIL BORE BH07

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm) 50

TOTAL DEPTH (mBGL) 3.00

COORDINATES 308707.858, 6166353.186

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH07-01				SAND: dark brown, fine to medium, with clay, with rootlets, with organic matter	M	
	BH07-02				CLAY: dark red-brown -brown, high plasticity, trace sand	D	
0.5							
	BH07-03						
	BH07-04				SANDY CLAY: pale brown, moderate plasticity	D	
1							
1.5							
	BH07-05						
	BH07-06				SANDY CLAY: pale brown-orange, low plasticity	D	
2							
2.5	BH07-07				CLAY: red-brown with grey mottling, high plasticity, trace sand	D	At 2.4m schist fragment recovered
	BH07-08				SILTY SAND: pale yellow-brown, fine to medium	D	Refusal on rock at 3.0 m. Schist recovered as silty sand
3					Termination Depth at:3.00 m		
3.5							
4							



SOIL BORE BH08

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm)

TOTAL DEPTH (mBGL) 1.60

COORDINATES 308725.065, 6166374.511

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH08-01				CLAYEY SAND: dark brown, fine to medium, with clay, with rootlets, with organic matter	M	
	BH08-02				CLAY: dark red-brown -brown, high plasticity, trace sand	D	At 1.55 m schist fragment recovered as gravel. Refusal on rock at 1.6 m
0.5							
	BH08-03						
1							
	BH08-04						
1.5							
	BH08-05						
2					Termination Depth at:1.60 m		
2.5							
3							
3.5							
4							



SOIL BORE BH09

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 11/06/2025

DRILLING COMPANY J&D Drilling

DRILL RIG Geoprobe

DRILLING METHOD Push Tube

BOREHOLE DIAMETER (mm) 50

TOTAL DEPTH (mBGL) 4.00

COORDINATES 308741.708, 6166507.804

COORD SYSTEM GDA2020 MGA Zone 54

LOGGED BY Gaetano Garfi

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	BH09-01	BH09-09 BH09-10			SAND: dark brown, fine to medium, with clay, with rootlets, with organic matter	M	
0.5	BH09-02						
					CLAY: dark red-brown -brown, high plasticity, trace sand	D	
1	BH09-03						
					SANDY CLAY: pale yellow-brown with light red mottling, moderate-high plasticity	D	
1.5	BH09-04						
	BH09-05				SANDY CLAY: pale yellow-brown with black mottling, moderate plasticity, trace gravel	D	Becoming sandier at btm of layer
2							
	BH09-06				SANDY CLAY: red-brown with light brown mottling, low plasticity	D	
2.5							
3							
	BH09-07				CLAY: red-brown, high plasticity, with sand	D	
3.5							
	BH09-08						
					SANDY CLAY: pale red-brown -brown, moderate-high plasticity	D	
4					Termination Depth at:4.00 m		



SOIL BORE BH15

PROJECT NUMBER 241606A-01

PROJECT NAME SBWTA Soil Assessment

ADDRESS Lot 102, Hoffnungsthal Rd,
Williamstown

DRILLING DATE 26/06/2025

DRILLING COMPANY Terra Test

DRILL RIG Geoprobe

DRILLING METHOD Auger/Diamond Coring

BOREHOLE DIAMETER (mm) 70

TOTAL DEPTH (mBGL) 6.0

COORDINATES 308712.764, 6166511.914

COORD SYSTEM GDA2020_MGA_zone_54

LOGGED BY OH

CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
0.5	BH15-01	BH15-15			SANDY CLAY: dark brown, fine, low-moderate plasticity, trace rootlets, trace rock fragments	D	
	BH15-02						
	BH15-03				CLAYEY SAND: light orange -brown, fine to medium, low plasticity	D	
	BH15-04				CLAY: dark red -brown, fine, low-moderate plasticity	D	
	BH15-05						
1	BH15-06				SANDY CLAY: pale yellow -grey, fine, trace gravel	D	
	BH15-07						
1.5							
2							
2.5	BH15-08				SILTSTONE: pale brown -grey banded, slightly to moderately weathered		Core loss
3	BH15-09				SANDY CLAY: pale yellow -grey, fine to medium, low plasticity, trace rock fragments	M	
					SILTSTONE: pale brown -grey banded, slightly to moderately weathered		
3.5	BH15-10				SANDY CLAY: pale yellow -grey, fine to medium, low plasticity, trace rock fragments	M	Core loss
					SILTSTONE: pale brown -grey banded, slightly to moderately weathered		
4	BH15-11				SANDY CLAY: pale yellow -grey, fine to medium, low plasticity, trace rock fragments	M	
					SILTSTONE: pale brown -grey banded, slightly to moderately weathered		
4.5	BH15-12				SANDY CLAY: pale yellow -grey, fine to medium, low plasticity, trace rock fragments	M	
					SILTSTONE: pale brown -grey banded, slightly to moderately weathered		
5							Core loss
5.5	BH15-13				SANDY CLAY: pale yellow -grey, fine to medium, low plasticity, trace rock fragments	M	
					SILTSTONE: pale brown -grey banded, slightly to moderately weathered		
6					Termination Depth at:6.0 m		



TEST PIT : TP1

PROJECT NUMBER 241606A-01
PROJECT NAME SBWTA Soil Assessment
ADDRESS Allotment 102, Hoffnungsthal Road

EXCAVATION DATE 18/06/2025
MACHINERY Excavator
TEST PIT LENGTH (m) 5
TEST PIT WIDTH (m) 0.95
TOTAL DEPTH (mBGL) 1.70

COORDINATES 308823.271, 6166042.159
COORD SYSTEM GDA2020 MGA Zone 54
LOGGED BY MF
CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
0.5 1 1.5	TP1-01				CLAYEY SAND: dark brown, fine to medium, loose, with rootlets	SM	
					SILTSTONE: light grey-brown, slightly weathered		
	TP1-02						
TP1-03							
2 2.5 3					Termination Depth at:1.700 m		



TEST PIT : TP2

PROJECT NUMBER 241606A-01	EXCAVATION DATE 18/06/2025	COORDINATES 308776.523, 6165991.038
PROJECT NAME SBWTA Soil Assessment	MACHINERY Excavator	COORD SYSTEM GDA2020 MGA Zone 54
ADDRESS Allotment 102, Hoffnungsthal Road	TEST PIT LENGTH (m) 4	LOGGED BY MF
	TEST PIT WIDTH (m) 0.95	CHECKED BY
	TOTAL DEPTH (mBGL) 1.80	

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	TP2-01	TP2-02			CLAYEY SAND: dark brown, fine to medium, with rootlets	SM	
0.5	TP2-03				SILTSTONE: light brown-orange, highly weathered		
1	TP2-04				SILTSTONE: light brown		
1.5	TP2-05						
2					Termination Depth at:1.800 m		
2.5							
3							



TEST PIT : TP3

PROJECT NUMBER 241606A-01
PROJECT NAME SBWTA Soil Assessment
ADDRESS Allotment 102, Hoffnungsthal Road

EXCAVATION DATE 18/06/2025
MACHINERY Excavator
TEST PIT LENGTH (m) 4
TEST PIT WIDTH (m) 0.95
TOTAL DEPTH (mBGL) 2.60

COORDINATES 308739.708, 6165912.068
COORD SYSTEM GDA2020 MGA Zone 54
LOGGED BY MF
CHECKED BY

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	TP3-01				CLAYEY SAND: dark brown, fine to medium	SM	
	TP3-02				CLAY: red-brown, low plasticity	SM	
0.5							
	TP3-03				SILTSTONE: highly weathered		
1	TP3-04				SILTSTONE: light brown		
1.5	TP3-05						
2	TP3-06						
2.5							
					Termination Depth at:2.600 m		
3							



TEST PIT : TP4

PROJECT NUMBER 241606A-01	EXCAVATION DATE 18/06/2025	COORDINATES 308694.705, 6165856.868
PROJECT NAME SBWTA Soil Assessment	MACHINERY Excavator	COORD SYSTEM GDA2020 MGA Zone 54
ADDRESS Allotment 102, Hoffnungsthal Road	TEST PIT LENGTH (m) 4	LOGGED BY MF
	TEST PIT WIDTH (m) 0.95	CHECKED BY 
	TOTAL DEPTH (mBGL) 3.00	

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations	
0.5	TP4-01				SANDY CLAY: red-brown, fine to medium	M		
	TP4-02	TP4-03			SANDY GRAVEL: grey-brown, medium to coarse	SM		
TP4-04					CLAY: red-brown, fine to medium, moderate-high plasticity	SM		
TP4-05								
1								
1.5				CLAY: yellow-brown, fine to medium, moderate-high plasticity	SM			
2	TP4-06							
2.5								
3	TP4-07							
					Termination Depth at:3.000 m			



TEST PIT : TP5

PROJECT NUMBER 241606A-01
PROJECT NAME SBWTA Soil Assessment
ADDRESS Allotment 102, Hoffnungsthal Road

EXCAVATION DATE 18/06/2025
MACHINERY Excavator
TEST PIT LENGTH (m) 4
TEST PIT WIDTH (m) 0.95
TOTAL DEPTH (mBGL) 3.00

COORDINATES 308627.369, 6165931.637
COORD SYSTEM GDA2020 MGA Zone 54
LOGGED BY MF
CHECKED BY 

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	TP5-01	TP5-02 TP5-03			CLAYEY SAND: very dark grey-brown, medium, with rootlets	M	
	TP5-04				SANDY CLAY: very dark grey-brown, fine to medium, moderate-high plasticity	SM	
0.5							
	TP5-05						
1							
	TP5-06				CLAY: red-brown, fine to medium, moderate-high plasticity	SM	
1.5	TP5-07						
2							
2.5	TP5-08						
3					Termination Depth at:3.000 m		



TEST PIT : TP6

PROJECT NUMBER 241606A-01
PROJECT NAME SBWTA Soil Assessment
ADDRESS Allotment 102, Hoffnungsthal Road

EXCAVATION DATE 18/06/2025
MACHINERY Excavator
TEST PIT LENGTH (m) 4
TEST PIT WIDTH (m) 0.5
TOTAL DEPTH (mBGL) 2.20

COORDINATES 308701.412, 6165959.812
COORD SYSTEM GDA2020 MGA Zone 54
LOGGED BY MF
CHECKED BY

COMMENTS

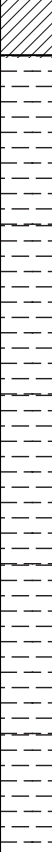
Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
	TP6-01				CLAYEY SAND: very dark brown, fine to medium, loose, with rootlets	SM	
	TP6-02				SILTSTONE: light brown-orange, moderately weathered		
0.5							
	TP6-03				SILTSTONE: brown-orange, highly weathered		
1	TP6-04				SILTSTONE: light brown, moderately weathered		
1.5	TP6-05						
2							
2.5					Termination Depth at:2.200 m		
3							



TEST PIT : TP7

PROJECT NUMBER 241606A-01	EXCAVATION DATE 18/06/2025	COORDINATES 308694.471, 6166002.653
PROJECT NAME SBWTA Soil Assessment	MACHINERY Excavator	COORD SYSTEM GDA2020 MGA Zone 54
ADDRESS Allotment 102, Hoffnungsthal Road	TEST PIT LENGTH (m) 4	LOGGED BY MF
	TEST PIT WIDTH (m) 0.5	CHECKED BY 
	TOTAL DEPTH (mBGL) 2.30	

COMMENTS

Depth (mBGL)	Samples	Duplicate	PID (ppm)	Graphic Log	Material Description	Moisture	Additional Observations
0.5	TP7-01				SANDY CLAY: very dark brown, fine to medium, with rootlets	SM	
	TP7-02	TP7-03			CLAY: red-brown, moderate-high plasticity	SM	
	TP7-04				SILTSTONE: highly weathered		
TP7-05							
1							
1.5	TP7-06						
2							
2.5					Termination Depth at:2.300 m		
3							

Appendix C

Soil Chemical Summary Tables

	Metals																					
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Chromium (trivalent)	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Vanadium	Zinc	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	2	1	1	10	0.4	1	1	5	1	1	20	1	1	0.1	1	1	2	1	2	10	1	
NEPM 1999 Soil HIL C - Recreational	300		90	20,000	90	300			300	17,000		600	19,000	80		1,200	700				30,000	
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																						
NEPM 1999 Management Limits - Residential/Parklands (coarse)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																						
NEPM 1999 EIL - Urban Residential	100							490		260		1100				650					2000	
NEPM 1999 Soil ESL - Urban Residential (coarse)																						

Field ID	Depth (m)	Date	Sample Type	Matrix Type																				
Borehole Investigation																								
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	3.4	150	<2	<10	<0.4	-	86	-	16	28	-	14	400	<0.1	-	25	2.9	-	120	48
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	<2	87	<2	<10	<0.4	-	27	-	8.5	70	-	10	350	<0.1	-	9.7	<2	-	39	50
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<2	75	<2	-	<0.4	<1	26	26	11	13	16,000	6.9	390	<0.1	-	8.9	-	<2	-	22
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	2.3	110	<2	<10	<0.4	-	61	-	17	20	-	11	480	<0.1	-	17	2.7	-	89	33
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	4.7	200	<2	<10	<0.4	-	110	-	18	39	-	16	480	0.1	-	42	2.1	-	160	61
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	73,000	-	-	-	-	-	-	-	-	
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	2.1	100	<2	<10	<0.4	-	40	-	12	66	-	12	390	<0.1	-	15	<2	-	57	60
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	<4.0	75	<1.0	<10	<0.40	-	32	-	10	28	-	6.9	270	<0.10	<1.0	11	<2.0	<1.0	<2.0	29
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	2.5	110	<2	-	<0.4	<1	49	49	11	24	35,000	10	270	<0.1	-	21	-	<2	-	41
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	2.5	150	<2	<10	<0.4	-	42	-	11	22	-	8.5	340	<0.1	-	18	<2	-	69	39
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	3.1	240	<2	-	<0.4	<1	76	76	15	27	47,000	11	440	<0.1	-	29	-	<2	-	49
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	2.2	320	<2	-	<0.4	<1	89	89	22	43	72,000	12	730	<0.1	-	42	-	<2	-	41
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	<2	67	<2	<10	<0.4	-	24	-	7.9	24	-	6.2	280	<0.1	-	8.2	<2	-	32	21
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<2	170	<2	-	<0.4	<1	54	54	15	23	36,000	7.5	520	<0.1	-	28	-	<2	-	36
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	<2	91	<2	<10	<0.4	-	36	-	7.1	37	-	7.4	200	<0.1	<5	12	<2	<2	<10	30
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	<2	97	<2	<10	<0.4	-	37	-	7.5	40	-	8.9	200	<0.1	<5	13	<2	<2	<10	27
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	<2	57	<2	<10	<0.4	-	32	-	11	19	-	5.4	220	<0.1	<5	13	<2	<2	<10	14
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	3.5	210	<2	18	<0.4	-	100	-	18	46	-	13	310	<0.1	<5	44	<2	<2	<10	50
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	<2	470	<2	<10	<0.4	-	80	-	19	42	-	<5	240	<0.1	<5	24	<2	<2	<10	35
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	<2	320	<2	<10	<0.4	-	63	-	10	40	-	<5	180	<0.1	<5	18	<2	<2	<10	20
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	<2	350	<2	<10	<0.4	-	38	-	22	51	-	<5	120	<0.1	<5	35	<2	<2	<10	17
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	<2	330	<2	<10	<0.4	-	84	-	12	57	-	<5	210	<0.1	<5	20	<2	<2	<10	27

	Metals																					
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Chromium (trivalent)	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Vanadium	Zinc	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	2	1	1	10	0.4	1	1	5	1	1	20	1	1	0.1	1	1	2	1	2	10	1	
NEPM 1999 Soil HIL C - Recreational	300		90	20,000	90	300			300	17,000		600	19,000	80		1,200	700				30,000	
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																						
NEPM 1999 Management Limits - Residential/Parklands (coarse)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																						
NEPM 1999 EIL - Urban Residential	100							490		260		1100				650					2000	
NEPM 1999 Soil ESL - Urban Residential (coarse)																						

Field ID	Depth (m)	Date	Sample Type	Matrix Type																						
Test Pit Investigation																										
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	6.3	190	<2	<10	<0.4	-	58	-	13	65	-	11	370	<0.1	-	15	<2	-	-	68	87	
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	2.7	220	<2	<10	<0.4	-	65	-	20	33	-	11	360	<0.1	-	28	<2	-	-	88	75	
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	2.2	240	<2	<10	<0.4	<1	63	63	17	58	40,000	11	410	<0.1	-	24	-	<2	-	84	62	
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	2.1	260	<2	<10	<0.4	-	47	-	34	200	-	8.8	260	<0.1	-	26	<2	-	-	71	95	
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	2.1	170	<2	<10	<0.4	<1	63	63	16	37	38,000	10	400	<0.1	-	16	-	<2	-	85	56	
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	3.2	180	2	<10	<0.4	-	83	-	15	35	-	20	260	<0.1	-	23	<2	-	-	130	65	
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	3.2	170	<2	<10	<0.4	-	70	-	18	35	-	13	300	<0.1	-	31	<2	-	-	100	72	
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	<2	240	<2	<10	<0.4	-	61	-	23	33	-	18	460	<0.1	-	29	<2	-	-	82	71	
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	2.3	93	<2	<10	<0.4	-	36	-	10	39	-	9.5	270	<0.1	-	13	<2	-	-	49	37	
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	4.2	150	2.1	<10	<0.4	-	82	-	18	30	-	15	330	<0.1	-	31	<2	-	-	120	49	
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	3.5	150	<2	<10	<0.4	-	73	-	13	36	-	13	310	<0.1	-	27	<2	-	-	100	43	
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	5.8	250	2.5	<10	<0.4	<1	110	110	20	42	93,000	22	430	<0.1	-	46	-	<2	-	150	69	
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	3.8	240	<2	<10	<0.4	-	83	-	17	31	-	16	430	<0.1	-	38	<2	-	-	110	52	
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	3.3	200	<2	<10	<0.4	-	44	-	15	30	-	12	690	<0.1	-	16	<2	-	-	54	44	
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	4.4	180	<2	<10	<0.4	-	45	-	15	36	-	14	550	<0.1	-	16	<2	-	-	62	43	
TP05-03	0 - 0.2	18/06/2025	Intralab_D	Soil	<4.0	130	<1.0	<10	<0.40	-	32	-	11	24	-	10	430	<0.10	<1.0	11	<2.0	<1.0	<2.0	-	31	
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	2.4	180	<2	<10	<0.4	-	46	-	20	26	-	11	780	<0.1	-	17	<2	-	-	69	40	
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	34,000	-	-	-	-	-	-	-	-	-	-	
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	2.8	210	<2	-	<0.4	<1	70	70	18	80	44,000	16	460	<0.1	-	24	-	<2	-	-	74	
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	3	220	<2	<10	<0.4	-	77	-	16	54	-	15	280	<0.1	-	26	<2	-	-	120	71	
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	2.6	310	<2	<10	<0.4	-	94	-	17	74	-	12	360	<0.1	-	21	<2	-	-	130	71	
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	2.5	150	<2	<10	<0.4	-	57	-	14	33	-	11	320	<0.1	-	20	<2	-	-	83	42	
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	4.1	270	<2	12	<0.4	-	110	-	20	45	-	17	380	<0.1	-	40	<2	-	-	160	63	
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	4	290	<2	<10	<0.4	-	100	-	20	44	-	18	350	<0.1	-	36	<2	-	-	150	67	

	TRH							BTEX						PAH								
	TRH C6-C10	TRH C6-C10 less BTEX (F1)	TRH >C10-C16	TRH >C10-C16 less Naphthalene (F2)	TRH >C16-C34	TRH >C34-C40	TRH >C10-C40 (sum of fractions)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (value used in F2 calc)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	20	20	50	50	100	100	100	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
NEPM 1999 Soil HIL C - Recreational																						
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space		5,100		3,800	5,300	7,400		120	18,000	5,300			15,000									
NEPM 1999 Management Limits - Residential/Parklands (coarse)	700		1,000		2,500	10,000																
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)		45		110				0.5	160	55			40									
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)		70		240				0.5	220				60									
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)		110		440				0.5	310				95									
NEPM 1999 EIL - Urban Residential																						
NEPM 1999 Soil ESL - Urban Residential (coarse)		180	120		300	2,800		50	85	70			105						20			

Field ID	Depth (m)	Date	Sample Type	Matrix Type																								
Borehole Investigation																												
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	TRH							BTEX						PAH								
	TRH C6-C10	TRH C6-C10 less BTEX (F1)	TRH >C10-C16	TRH >C10-C16 less Naphthalene (F2)	TRH >C16-C34	TRH >C34-C40	TRH >C10-C40 (sum of fractions)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (value used in F2 calc)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
	20	20	50	50	100	100	100	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
NEPM 1999 Soil HIL C - Recreational																						
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space		5,100		3,800	5,300	7,400		120	18,000	5,300			15,000									
NEPM 1999 Management Limits - Residential/Parklands (coarse)	700		1,000		2,500	10,000																
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)		45		110				0.5	160	55			40									
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)		70		240				0.5	220				60									
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)		110		440				0.5	310				95									
NEPM 1999 EIL - Urban Residential																						
NEPM 1999 Soil ESL - Urban Residential (coarse)		180	120		300	2,800		50	85	70			105						20			

Field ID	Depth (m)	Date	Sample Type	Matrix Type																				
Test Pit Investigation																								
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<20	<20	<50	<50	<100	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	PAH														VOCs	Organochlorine Pesticides					
	Benzo(b)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	phenanthrene	picloram	Pyrene	Total PAH	Carcinogenic PAH (BaP TEQ zero LOR)	Carcinogenic PAH (BaP TEQ Half LOR)	Carcinogenic PAH (BaP TEQ LOR)	Tetrachloroethene (PCE)	Total +ve OCP	4,4'-DDD	4,4'-DDE	4,4'-DDT	DDT+DDE+DDD	a-BHC
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.05	0.05	0.05	0.05	0.05
NEPM 1999 Soil HIL C - Recreational									5,700		300	3	3	3						400	
CRC CARE 2011 Soil HSL C Direct Contact- Recreational/ Open Space							1,900														
NEPM 1999 Management Limits - Residential/Parklands (coarse)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)							3														
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																					
NEPM 1999 EIL - Urban Residential							170												180		
NEPM 1999 Soil ESL - Urban Residential (coarse)																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																					
Borehole Investigation																									
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	PAH														VOCs	Organochlorine Pesticides					
	Benzo[b]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-c,d]pyrene	Naphthalene	phenanthrene	picloram	Pyrene	Total PAH	Carcinogenic PAH (BaP TEQ zero LOR)	Carcinogenic PAH (BaP TEQ Half LOR)	Carcinogenic PAH (BaP TEQ LOR)	Tetrachloroethene (PCE)	Total +ve OCP	4,4'-DDD	4,4'-DDE	4,4'-DDT	DDT+DDE+DDD	a-BHC
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.05	0.05	0.05	0.05	0.05
NEPM 1999 Soil HIL C - Recreational									5,700		300	3	3	3						400	
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space							1,900														
NEPM 1999 Management Limits - Residential/Parklands (coarse)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)							3														
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																					
NEPM 1999 EIL - Urban Residential							170												180		
NEPM 1999 Soil ESL - Urban Residential (coarse)																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																					
Test Pit Investigation																									
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	
TP05-03	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	<0.50	-	-	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	Organochlorine Pesticides																					
	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	chlordane	Chlordane (cis)	gamma-Chlordane	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Mirex	Toxaphene	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1		0.05	0.05	0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05	0.1	0.5
NEPM 1999 Soil HIL C - Recreational						10	70						20				10		10	400	20	30
CRC CARE 2011 Soil HSL C Direct Contact- Recreational/Open Space																						
NEPM 1999 Management Limits - Residential/Parklands (coarse)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																						
NEPM 1999 EIL - Urban Residential																						
NEPM 1999 Soil ESL - Urban Residential (coarse)																						

Field ID	Depth (m)	Date	Sample Type	Matrix Type																				
Borehole Investigation																								
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Organochlorine Pesticides																					
	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	chlordane	Chlordane (cis)	gamma-Chlordane	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Mirex	Toxaphene	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1		0.05	0.05	0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05	0.1	0.5
NEPM 1999 Soil HIL C - Recreational						10	70						20			10		10	400	20	30	
CRC CARE 2011 Soil HSL C Direct Contact- Recreational/Open Space																						
NEPM 1999 Management Limits - Residential/Parklands (coarse)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																						
NEPM 1999 EIL - Urban Residential																						
NEPM 1999 Soil ESL - Urban Residential (coarse)																						

Field ID	Depth (m)	Date	Sample Type	Matrix Type																							
Test Pit Investigation																											
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-			
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5			
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

	Organophosphorous Pesticides																				
	Azinophos methyl	Boslar (Sulprofos)	Biomophos-ethyl	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenamiphos	Fenitrothion	Fensulfotiothion	Fenthion	Malathion
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1
NEPM 1999 Soil HIL C - Recreational					250																
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																					
NEPM 1999 Management Limits - Residential/Parklands (coarse)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																					
NEPM 1999 EIL - Urban Residential																					
NEPM 1999 Soil ESL - Urban Residential (coarse)																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																					
Borehole Investigation																									
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Organophosphorous Pesticides																				
	Azinophos methyl	Bolstar (Sulprofos)	Bromophos-ethyl	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenamiphos	Fenitrothion	Fensulfotlion	Fenthion	Malathion
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1
NEPM 1999 Soil HIL C - Recreational					250																
CRC CARE 2011 Soil HSL C Direct Contact- Recreational/Open Space																					
NEPM 1999 Management Limits - Residential/Parklands (coarse)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																					
NEPM 1999 EIL - Urban Residential																					
NEPM 1999 Soil ESL - Urban Residential (coarse)																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																								
Test Pit Investigation																												
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2			
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2			
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2			
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2			
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2			
TP05-03	0 - 0.2	18/06/2025	Intralab_D	Soil	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10			
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2			
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

	Organophosphorous Pesticides																Synthetic Pyrethroids									
	Merphos	Metidathion	Methyl parathion	Mevinphos (Phostdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	Priniphos-methyl	Pyrazophos	Ronnel	Terbufos	Tokuthion	Trichloronate	Tetrachlorvinphos	Allethrin_	Tetramethrin_	Cyfluthrin_	Cypermethrins	Fenvalerate	Permethrin	Phenothrin	Resmethrin		
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
LOR	0.2	0.1	0.1	0.1	2	0.2	2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	2	2	2	2	2	2	2	2		
NEPM 1999 Soil HIL C - Recreational																										
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																										
NEPM 1999 Management Limits - Residential/Parklands (coarse)																										
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																										
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																										
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																										
NEPM 1999 EIL - Urban Residential																										
NEPM 1999 Soil ESL - Urban Residential (coarse)																										

Field ID	Depth (m)	Date	Sample Type	Matrix Type																												
Borehole Investigation																																
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-				
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2				
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2				
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-				
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-				
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	<0.10	<0.10	<0.10	-	-	-	<0.10	<0.10	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-	-				
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-				
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2				
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

	Organophosphorous Pesticides																Synthetic Pyrethroids									
	Merphos	Metidathion	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	primiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tokuthion	Trichloronate	Tetrachlorvinphos	Allethrin_	Tetramethrin_	Cyfluthrin_	Cypermethrins	Fenvalerate	Permethrin	phenothrin	Resmethrin		
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
LOR	0.2	0.1	0.1	0.1	2	0.2	2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	2	2	2	2	2	2	2	2		
NEPM 1999 Soil HIL C - Recreational																										
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																										
NEPM 1999 Management Limits - Residential/Parklands (coarse)																										
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																										
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																										
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																										
NEPM 1999 EIL - Urban Residential																										
NEPM 1999 Soil ESL - Urban Residential (coarse)																										

Field ID	Depth (m)	Date	Sample Type	Matrix Type																						
Test Pit Investigation																										
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-
TP05-03	0 - 0.2	18/06/2025	Intralab_D	Soil	-	<0.10	<0.10	<0.10	-	-	-	<0.10	<0.10	-	-	<0.10	-	-	-	-	-	-	-	-	-	-
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	-	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Polychlorinated Biphenyls								Herbicides												
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichloroprop	2,4,6-Trichlorophenoxy-acetic acid	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	3,5-Dichlorobenzoic acid	Acifluorfen	Acritil (loxymil)	Bentazone	Bromoxynil
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.5	1	0.5
NEPM 1999 Soil HIL C - Recreational								1	800		1,300										
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																					
NEPM 1999 Management Limits - Residential/Parklands (coarse)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																					
NEPM 1999 EIL - Urban Residential																					
NEPM 1999 Soil ESL - Urban Residential (coarse)																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																				
Borehole Investigation																								
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	Polychlorinated Biphenyls								Herbicides													
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	pCBs (Sum of total)	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichloroprop	2,4,6-Trichlorophenoxy- acetic acid	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	3,5-Dichlorobenzoic acid	Acifluorfen	Actril (toxynil)	Bentazone	Bromoxynil	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.5	1	0.5
NEPM 1999 Soil HIL C - Recreational								1	800		1,300											
CRC CARE 2011 Soil HSL C Direct Contact- Recreational/Open Space																						
NEPM 1999 Management Limits - Residential/Parklands (coarse)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																						
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																						
NEPM 1999 EIL - Urban Residential																						
NEPM 1999 Soil ESL - Urban Residential (coarse)																						

Field ID	Depth (m)	Date	Sample Type	Matrix Type																					
Test Pit Investigation																									
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<0.50	
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Herbicides								Phenols												
	Chloramben	Clopyralid	Dicamba	Fluroxypyr	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Triclopyr	2,6-D ₂	2,4-dimethylphenol	2-methylphenol	2-nitrophenol	3,4,4-methylphenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	2,4-dinitrophenol	4-nitrophenol	Cresol Total	Dinoseb	Total Phenols
LOR	1	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.2	1	0.4	0.5	20	1	5	5	0.5	0.5	0.5
NEPM 1999 Soil HIL C - Recreational					800	800	800												4,000		40,000
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																					
NEPM 1999 Management Limits - Residential/Parklands (coarse)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																					
NEPM 1999 EIL - Urban Residential																					
NEPM 1999 Soil ESL - Urban Residential (coarse)																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																						
Borehole Investigation																										
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	Herbicides								Phenols												
	Chloramben	Clpyralid	Dicamba	Fluroxypyr	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Triclopyr	2,6-D ₂	2,4-dimethylphenol	2-methylphenol	2-nitrophenol	3,4,4-methylphenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	2,4-dinitrophenol	4-nitrophenol	Cresol Total	Dinoseb	Total Phenols
LOR	1	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.2	1	0.4	0.5	20	1	5	5	0.5	0.5	0.5
NEPM 1999 Soil HIL C - Recreational					800	800	800												4,000		40,000
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																					
NEPM 1999 Management Limits - Residential/Parklands (coarse)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																					
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																					
NEPM 1999 EIL - Urban Residential																					
NEPM 1999 Soil ESL - Urban Residential (coarse)																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																							
Test Pit Investigation																											
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-		
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5		
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<5	<0.5	<0.5	<0.5		
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-		
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-		
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5		
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-		
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-		
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-	<1.0	-		
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5		
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-		
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

	Phenols		Halogenated Phenols							Inorganics								Other
	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	Tetrachlorophenols	TOC	Cation Exchange Capacity (CEC)	Cyanide Total	% Clay*	Iron (%)	Conductivity (1.5 aqueous extract)	Moisture Content	pH (Lab)	Phosalone
	mg/kg	mg/kg																
LOR	1	20	1	1	0.5	0.5	0.5	1	10	1,000	0.5	5	2.5	0.01	10	0.1	0.1	0.1
NEPM 1999 Soil HIL C - Recreational								120										
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																		
NEPM 1999 Management Limits - Residential/Parklands (coarse)																		
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																		
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																		
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																		
NEPM 1999 EIL - Urban Residential																		
NEPM 1999 Soil ESL - Urban Residential (coarse)																		

Field ID	Depth (m)	Date	Sample Type	Matrix Type																		
Borehole Investigation																						
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	6.2	-	-	
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	<0.10	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	14,000	36	-	17	7.3	74	11	8.2	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	19	-	-	
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	-	-	
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	8.9	-	-	
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	11	-	-	
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	12	-	-	
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	-	
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	-	-	
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	

	Phenols		Halogenated Phenols							Inorganics								Other
	Phenols (Total Halogenated)	phenols (Total Non Halogenated)	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	tetrachlorophenols	TOC	Cation Exchange Capacity (CEC)	Cyanide Total	% Clay*	Iron (%)	Conductivity (1.5 aqueous extract)	Moisture Content	pH (Lab)	Phosalone
	mg/kg	mg/kg																
LOR	1	20	1	1	0.5	0.5	0.5		10	1,000	0.5	5	2.5	0.01	10	0.1	0.1	0.1
NEPM 1999 Soil HIL C - Recreational								120										
CRC CARE 2011 Soil HSL C Direct Contact - Recreational/Open Space																		
NEPM 1999 Management Limits - Residential/Parklands (coarse)																		
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 0-1 mBGL)																		
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 1-2 mBGL)																		
NEPM 1999 Soil HSL A/B Vapour Intrusion - Res. (Sand, 2-4 mBGL)																		
NEPM 1999 EIL - Urban Residential																		
NEPM 1999 Soil ESL - Urban Residential (coarse)																		

Field ID	Depth (m)	Date	Sample Type	Matrix Type																		
Test Pit Investigation																						
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	-	11	-	-
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	-	14	-	-
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	-	17	-	-
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	<0.10
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	4,000	20	-	15	3.4	67	10	7.4	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<1	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	-	-	<5	-	-	-	20	-	-
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-

	Metals																				
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Chromium (Trivalent)	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Vanadium	Zinc
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	2	1	1	10	0.4	1	1	5	1	1	20	1	1	0.1	1	1	2	1	2	10	1
SA EPA - Waste Fill	20	300	20		3	1		400	170	60		300	500	1		60					200
SA EPA - Intermediate Waste	200		40		30	200			170	2,000		1,200	6,000	30		600					14,000
SA EPA - Low Level Contaminated Waste	750		150		60	750			1,000	7,500		5,000	10,000	110		3,000					50,000
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																					
Borehole Investigation																									
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	3.4	150	<2	<10	<0.4	-	86	-	16	28	-	14	400	<0.1	-	25	2.9	-	-	120	48
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	<2	87	<2	<10	<0.4	-	27	-	8.5	70	-	10	350	<0.1	-	9.7	<2	-	-	39	50
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<2	75	<2	-	<0.4	<1	26	26	11	13	16,000	6.9	390	<0.1	-	8.9	-	<2	-	-	22
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	2.3	110	<2	<10	<0.4	-	61	-	17	20	-	11	480	<0.1	-	17	2.7	-	-	89	33
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	4.7	200	<2	<10	<0.4	-	110	-	18	39	-	16	480	0.1	-	42	2.1	-	-	160	61
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	73,000	-	-	-	-	-	-	-	-	-	
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	2.1	100	<2	<10	<0.4	-	40	-	12	66	-	12	390	<0.1	-	15	<2	-	-	57	60
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	<4.0	75	<1.0	<10	<0.40	-	32	-	10	28	-	6.9	270	<0.10	<1.0	11	<2.0	<1.0	<2.0	-	29
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	2.5	110	<2	-	<0.4	<1	49	49	11	24	35,000	10	270	<0.1	-	21	-	<2	-	-	41
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	2.5	150	<2	<10	<0.4	-	42	-	11	22	-	8.5	340	<0.1	-	18	<2	-	-	69	39
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	3.1	240	<2	-	<0.4	<1	76	76	15	27	47,000	11	440	<0.1	-	29	-	<2	-	-	49
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	2.2	320	<2	-	<0.4	<1	89	89	22	43	72,000	12	730	<0.1	-	42	-	<2	-	-	41
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	<2	67	<2	<10	<0.4	-	24	-	7.9	24	-	6.2	280	<0.1	-	8.2	<2	-	-	32	21
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<2	170	<2	-	<0.4	<1	54	54	15	23	36,000	7.5	520	<0.1	-	28	-	<2	-	-	36
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	<2	91	<2	<10	<0.4	-	36	-	7.1	37	-	7.4	200	<0.1	<5	12	<2	<2	<10	-	30
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	<2	97	<2	<10	<0.4	-	37	-	7.5	40	-	8.9	200	<0.1	<5	13	<2	<2	<10	-	27
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	<2	57	<2	<10	<0.4	-	32	-	11	19	-	5.4	220	<0.1	<5	13	<2	<2	<10	-	14
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	3.5	210	<2	18	<0.4	-	100	-	18	46	-	13	310	<0.1	<5	44	<2	<2	<10	-	50
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	<2	470	<2	<10	<0.4	-	80	-	19	42	-	<5	240	<0.1	<5	24	<2	<2	<10	-	35
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	<2	320	<2	<10	<0.4	-	63	-	10	40	-	<5	180	<0.1	<5	18	<2	<2	<10	-	20
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	<2	350	<2	<10	<0.4	-	38	-	22	51	-	<5	120	<0.1	<5	35	<2	<2	<10	-	17
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	<2	330	<2	<10	<0.4	-	84	-	12	57	-	<5	210	<0.1	<5	20	<2	<2	<10	-	27

	Metals																				
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Chromium (Trivalent)	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Vanadium	Zinc
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	2	1	1	10	0.4	1	1	5	1	1	20	1	1	0.1	1	1	2	1	2	10	1
SA EPA - Waste Fill	20	300	20		3	1		400	170	60		300	500	1		60					200
SA EPA - Intermediate Waste	200		40		30	200			170	2,000		1,200	6,000	30		600					14,000
SA EPA - Low Level Contaminated Waste	750		150		60	750			1,000	7,500		5,000	10,000	110		3,000					50,000
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																					
Test Pit Investigation																									
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	6.3	190	<2	<10	<0.4	-	58	-	13	65	-	11	370	<0.1	-	15	<2	-	-	68	87
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	2.7	220	<2	<10	<0.4	-	65	-	20	33	-	11	360	<0.1	-	28	<2	-	-	88	75
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	2.2	240	<2	<10	<0.4	<1	63	63	17	58	40,000	11	410	<0.1	-	24	-	<2	-	84	62
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	2.1	260	<2	<10	<0.4	-	47	-	34	200	-	8.8	260	<0.1	-	26	<2	-	-	71	95
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	2.1	170	<2	<10	<0.4	<1	63	63	16	37	38,000	10	400	<0.1	-	16	-	<2	-	85	56
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	3.2	180	2	<10	<0.4	-	83	-	15	35	-	20	260	<0.1	-	23	<2	-	-	130	65
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	3.2	170	<2	<10	<0.4	-	70	-	18	35	-	13	300	<0.1	-	31	<2	-	-	100	72
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	<2	240	<2	<10	<0.4	-	61	-	23	33	-	18	460	<0.1	-	29	<2	-	-	82	71
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	2.3	93	<2	<10	<0.4	-	36	-	10	39	-	9.5	270	<0.1	-	13	<2	-	-	49	37
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	4.2	150	2.1	<10	<0.4	-	82	-	18	30	-	15	330	<0.1	-	31	<2	-	-	120	49
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	3.5	150	<2	<10	<0.4	-	73	-	13	36	-	13	310	<0.1	-	27	<2	-	-	100	43
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	5.8	250	2.5	<10	<0.4	<1	110	110	20	42	93,000	22	430	<0.1	-	46	-	<2	-	150	69
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	3.8	240	<2	<10	<0.4	-	83	-	17	31	-	16	430	<0.1	-	38	<2	-	-	110	52
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	3.3	200	<2	<10	<0.4	-	44	-	15	30	-	12	690	<0.1	-	16	<2	-	-	54	44
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	4.4	180	<2	<10	<0.4	-	45	-	15	36	-	14	550	<0.1	-	16	<2	-	-	62	43
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	<4.0	130	<1.0	<10	<0.40	-	32	-	11	24	-	10	430	<0.10	<1.0	11	<2.0	<1.0	<2.0	-	31
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	2.4	180	<2	<10	<0.4	-	46	-	20	26	-	11	780	<0.1	-	17	<2	-	-	69	40
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	34,000	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	2.8	210	<2	-	<0.4	<1	70	70	18	80	44,000	16	460	<0.1	-	24	-	<2	-	-	74
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	3	220	<2	<10	<0.4	-	77	-	16	54	-	15	280	<0.1	-	26	<2	-	-	120	71
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	2.6	310	<2	<10	<0.4	-	94	-	17	74	-	12	360	<0.1	-	21	<2	-	-	130	71
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	2.5	150	<2	<10	<0.4	-	57	-	14	33	-	11	320	<0.1	-	20	<2	-	-	83	42
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	4.1	270	<2	12	<0.4	-	110	-	20	45	-	17	380	<0.1	-	40	<2	-	-	160	63
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	4	290	<2	<10	<0.4	-	100	-	20	44	-	18	350	<0.1	-	36	<2	-	-	150	67
ProUCL Output																									
95% UCL					-	218.4	-	-	-	-	-	-	-	47.79	-	-	401.80	-	-	-	-	-	-	-	-
Number of samples					-	46	-	-	-	-	-	-	-	46	-	-	46	-	-	-	-	-	-	-	-
Mean					-	196.3	-	-	-	-	-	-	-	42.78	-	-	368.300	-	-	-	-	-	-	-	-
SD					-	88.92	-	-	-	-	-	-	-	28.05	-	-	135.500	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	Y	-	-	-	-	-	-	-	Y	-	-	Y	-	-	-	-	-	-	-	-
Maximum detection					-	470	-	-	-	-	-	-	-	200	-	-	780.0	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	Y	-	-	-	-	-	-	-	N	-	-	Y	-	-	-	-	-	-	-	-

	PAH																		
	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzo(b+h)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Naphthalene (value used in F2 calc)	Phenanthrene	Pyrene	Picloram	Total PAH
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5
SA EPA - Waste Fill					2														40
SA EPA - Intermediate Waste					5														200
SA EPA - Low Level Contaminated Waste																			
Exceeds SA EPA - Low Level Contaminated Waste																			

Field ID	Depth (m)	Date	Sample Type	Matrix Type																	
Borehole Investigation																					
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	PAH																		
	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzo(b+h)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Naphthalene (value used in F2 calc)	Phenanthrene	Pyrene	Picloram	Total PAH
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5
SA EPA - Waste Fill					2														40
SA EPA - Intermediate Waste					5														200
SA EPA - Low Level Contaminated Waste																			
Exceeds SA EPA - Low Level Contaminated Waste																			

Field ID	Depth (m)	Date	Sample Type	Matrix Type																	
Test Pit Investigation																					
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.50	-	-
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ProUCL Output																					
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	TRH					BTEX						Organochlorine Pesticides										
	TRH C6-C9	TRH C10-C14	TRH C15-C28	TRH C29 - C36	TRH C10 - C36 (sum of fractions)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total +ve OCP	4,4-DDD	4,4-DDE	4,4-DDT	DDT+DDE+DDD	a-BHC	b-BHC	d-BHC	g-BHC (lindane)	Aldrin	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	20	20	50	50	50	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
SA EPA - Waste Fill	65				1,000	1	1.4	3.1			14				2							
SA EPA - Intermediate Waste	100				1,000	5	50	100			180				2							
SA EPA - Low Level Contaminated Waste	1,000				10,000	15	500	1,000			1,800				50							
Exceeds SA EPA - Low Level Contaminated Waste																						

Field ID	Depth (m)	Date	Sample Type	Matrix Type																						
Borehole Investigation																										
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	TRH					BTEX						Organochlorine Pesticides									
	TRH C6-C9	TRH C10-C14	TRH C15-C28	TRH C29 - C36	TRH C10 - C36 (sum of fractions)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total +ve OCP	p,p'-DDD	p,p'-DDE	p,p'-DDT	DDT+DDE+DDD	p,p'-BHC	p,p'-BHC	p,p'-BHC	p,p'-BHC (Lindane)	Aldrin
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	20	20	50	50																	
SA EPA - Waste Fill	65				1,000	1	1.4	3.1	0.1	0.2	14	0.1	0.05	0.05		2	0.05	0.05	0.05	0.05	0.05
SA EPA - Intermediate Waste	100				1,000	5	50	100			180				2						
SA EPA - Low Level Contaminated Waste	1,000				10,000	15	500	1,000			1,800				50						
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																	
Test Pit Investigation																					
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<20	<20	<50	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ProUCL Output																					
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Organochlorine Pesticides																Organophosphorous Pesticides				
	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	gamma-Chlordane	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Hepachlor	Hepachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Azinophos methyl	Boistar (Suprofos)	Bromophos-ethyl	Chlorfenvinphos	Chlorpyrifos
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SA EPA - Waste Fill	0.05	2	2	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	2	0.05	0.05	0.05	0.5	0.1	0.2	0.1	0.2	0.1
SA EPA - Intermediate Waste		2	2									2									
SA EPA - Low Level Contaminated Waste		50	50									50									
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																								
Borehole Investigation																												
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2	<0.2				
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-				
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2	<0.2				
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2	<0.2				
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	-	<0.10				
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2	<0.2				
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-				
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-				
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-				
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-				
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

	Organochlorine Pesticides																Organophosphorous Pesticides				
	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	gamma-Chlordane	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Hepachlor	Hepachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Azinphos methyl	Boistar (Suprofos)	Bromophos-ethyl	Chlorfenvinphos	Chlorpyrifos
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SA EPA - Waste Fill	0.05	2	2	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	2	0.05	0.05	0.05	0.5	0.1	0.2	0.1	0.2	0.1
SA EPA - Intermediate Waste		2	2									2									
SA EPA - Low Level Contaminated Waste		50	50									50									
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																				
Test Pit Investigation																								
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2	<0.2
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	-
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.2	<0.2	-	<0.2
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ProUCL Output																								
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[illegible]

Field ID	Depth (m)	Date	Sample Type	Matrix Type	Borehole Investigation																						
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<2	
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<2	
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<2
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<2	
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	Organophosphorous Pesticides																				
	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenamiphos	Fenitrothion	Fensulfotthion	Fenthion	Malathion	Merphos	Methidathion	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	2
SA EPA - Waste Fill																					
SA EPA - Intermediate Waste																					
SA EPA - Low Level Contaminated Waste																					
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																		
Test Pit Investigation					<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ProUCL Output																						
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Organophosphorous Pesticides											Pesticides	Synthetic Pyrethroids							
	Naled (Dibrom)	Omethoate	Parathion	Phorate	Pyrimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tokuthion	Trichloroate	Tetrachlorvinphos	Mirex	Allethrin_	Cyfluthrin_	Cypermethrins	Fenvalerate	Permethrin	Phenothrin	Resmethrin	Tetramethrin_
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SA EPA - Waste Fill	0.2	2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	2	2	2	2	2	2	2	2
SA EPA - Intermediate Waste																				
SA EPA - Low Level Contaminated Waste																				
Exceeds SA EPA - Low Level Contaminated Waste																				

Field ID	Depth (m)	Date	Sample Type	Matrix Type																			
Borehole Investigation																							
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	<0.10	<0.10	-	-	<0.10	-	-	-	-	<0.10	-	-	-	-	-	-	-
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Organophosphorous Pesticides											Pesticides	Synthetic Pyrethroids							
	Naled (Dibrom)	Omethoate	Parathion	Phorate	Phosphor-methyl	Pyrazophos	Ronnel	Terbufos	Tokuthion	Trichloroate	Tetrachlorophos	Mirex	Allethrin_	Cyfluthrin_	Cypermethrins	Fenvalerate	Permethrin	Phenothrin	Resmethrin	Tetramethrin_
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.2	2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	2	2	2	2	2	2	2	2
SA EPA - Waste Fill																				
SA EPA - Intermediate Waste																				
SA EPA - Low Level Contaminated Waste																				
Exceeds SA EPA - Low Level Contaminated Waste																				

Field ID	Depth (m)	Date	Sample Type	Matrix Type																				
Test Pit Investigation																								
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	<0.10	<0.10	-	-	<0.10	-	-	-	-	-	<0.10	-	-	-	-	-	-	
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ProUCL Output																								
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	Polychlorinated Biphenyls								Herbicides												
	Atachlor 1016	Atachlor 1221	Atachlor 1232	Atachlor 1242	Atachlor 1248	Atachlor 1254	Atachlor 1260	PCBs (Sum of total)	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Acifluorfen	Acritil (oxynil)	Bentazone	Bromoxynil	Chloramben
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SA EPA - Waste Fill	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.5	1	0.5	1
SA EPA - Intermediate Waste								2													
SA EPA - Low Level Contaminated Waste								50													
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																							
Borehole Investigation																											
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Polychlorinated Biphenyls								Herbicides												
	Attochlor 1016	Attochlor 1221	Attochlor 1232	Attochlor 1242	Attochlor 1248	Attochlor 1254	Attochlor 1260	PCBs (Sum of total)	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichloroprop	2,4,6-Trichlorophenoxy-acetic acid	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	p-Chlorophenoxyacetic acid	p-Chlorophenoxy acetic acid	Acifluorfen	Acetri (loxyml)	Bentazone	Bomoxynil	Chloramben
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SA EPA - Waste Fill	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.5	1	0.5	1
SA EPA - Intermediate Waste								2													
SA EPA - Low Level Contaminated Waste								50													
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																							
Test Pit Investigation																											
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	<0.5	-	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-	-
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-	-
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<0.50	<1.0	
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ProUCL Output																											
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Herbicides							Phenols													
	Clpyralid	Dicamba	Fluroxypyr	2-Methyl-4-Chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Triclopyr	2,6-D_	2,4-dimethylphenol	2-methylphenol	2-nitrophenol	3-&4- methylphenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro- o- cyclohexyl phenol	4- chloro-3- methylphenol	2,4-dinitrophenol	4-nitrophenol	Cresol Total	Dinoseb	Total Phenols	Phenols (Total Halogenated)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.2	1	0.4	0.5	20	1	5	5	0.5	0.5	0.5	1
SA EPA - Waste Fill																				0.5	
SA EPA - Intermediate Waste																				17,000	
SA EPA - Low Level Contaminated Waste																				50,000	
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																			
Borehole Investigation																							
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Herbicides							Phenols													
	Clpyralid	Dicamba	Fluroxypyr	2-Methyl-4-Chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Triclopyr	p,p'-DDE	p,p'-dimethylphenol	p-methylphenol	p-nitrophenol	p,p'-methylphenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	p,p'-dimethylphenol	p-nitrophenol	Cresol Total	Dinoseb	Total Phenols	Phenols (Total Halogenated)
LOR	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SA EPA - Waste Fill	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.2	1	0.4	0.5	20	1	5	5	0.5	0.5	0.5	1
SA EPA - Intermediate Waste																				17,000	
SA EPA - Low Level Contaminated Waste																				50,000	
Exceeds SA EPA - Low Level Contaminated Waste																					

Field ID	Depth (m)	Date	Sample Type	Matrix Type																					
Test Pit Investigation																									
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5	<1
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	-	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<5	<0.5	<0.5	<0.5	<1
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5	<1
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-	<1.0	-	-
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<5	<0.5	<20	<0.5	<1
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ProUCL Output																									
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Phenols	Halogenated Phenols							VOCs	Inorganics			Other	
	Phenols (Total Non Halogenated)	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	Tetrachlorophenols	Tetrachloroethene (PCE)	Cyanide Total	Moisture Content	pH (Lab)	2,5-Dichlorobenzoic acid	Phosalone
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	pH Units	mg/kg	mg/kg
LOR	20	1	1	0.5	0.5	0.5	1	10	0.5	5	0.1	0.1	0.5	0.1
SA EPA - Waste Fill										500				
SA EPA - Intermediate Waste									14	1,000				
SA EPA - Low Level Contaminated Waste									25.2	3,500				
Exceeds SA EPA - Low Level Contaminated Waste														

Field ID	Depth (m)	Date	Sample Type	Matrix Type														
Borehole Investigation																		
BH01-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	15	-	-	-
BH01-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	12	-	-	-
BH02-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	20	-	-	-
BH02-02	0.35 - 0.45	11/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	6.2	-	-	-
BH03-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	14	-	-	-
BH03-02	0.3 - 0.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-
BH04-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	13	-	-	-
BH04-09	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	12	-	-	-
BH04-10	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	16	-	-	<0.10
BH05-02	0.15 - 0.25	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	21	-	-	-
BH05-04	1.4 - 1.4	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	11	8.2	-	-
BH06-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	14	-	-	-
BH06-10	0 - 0.2	11/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	31	-	-	-
BH06-11	0 - 0.2	11/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	14	-	-	-
BH06-02	0.3 - 0.4	11/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	19	-	-	-
BH06-05	1.7 - 1.8	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-
BH07-01	0 - 0.1	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	17	-	-	-
BH07-03	0.8 - 0.9	11/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	8.9	-	-	-
BH08-04	1.15 - 1.25	11/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	11	-	-	-
BH09-01	0 - 0.2	11/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	14	-	-	-
BH09-06	2.2 - 2.3	11/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	12	-	-	-
BH15-01	0 - 0.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	15	-	-	-
BH15-15	0 - 0.1	26/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	14	-	-	-
BH15-03	0.25 - 0.35	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	8.6	-	-	-
BH15-05	0.6 - 0.7	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	16	-	-	-
BH15-07	1 - 1.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-
BH15-08	2.5 - 2.6	26/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	9.3	-	-	-
BH15-09	3 - 3.1	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	20	-	-	-
BH15-11	3.9 - 4	26/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	16	-	-	-

	Phenols	Halogenated Phenols							VOCs	Inorganics			Other	
	Phenols (Total Non Halogenated)	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	Tetrachlorophenols	Tetrachloroethene (PCE)	Cyanide Total	Moisture Content	pH (Lab)	2,5-Dichlorobenzoic acid	Phosalone
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	pH Units	mg/kg	mg/kg
LOR	20	1	1	0.5	0.5	0.5	1	10	0.5	5	0.1	0.1	0.5	0.1
SA EPA - Waste Fill										500				
SA EPA - Intermediate Waste									14	1,000				
SA EPA - Low Level Contaminated Waste									25.2	3,500				
Exceeds SA EPA - Low Level Contaminated Waste														

Field ID	Depth (m)	Date	Sample Type	Matrix Type														
Test Pit Investigation																		
TP01-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	15	-	-	-
TP01-03	1.2 - 1.7	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	6	-	-	-
TP02-01	0 - 0.2	18/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	11	-	-	-
TP02-04	0.8 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-
TP03-01	0 - 0.1	18/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	14	-	-	-
TP03-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	13	-	-	-
TP03-04	0.9 - 1	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	12	-	-	-
TP03-06	2 - 2.5	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	5.7	-	-	-
TP04-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	17	-	-	-
TP04-02	0.3 - 0.4	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	23	-	-	-
TP04-03	0.3 - 0.4	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	15	-	-	-
TP04-04	0.6 - 0.7	18/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	17	-	-	-
TP04-06	2 - 2.5	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	13	-	-	-
TP05-01	0 - 0.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	15	-	-	-
TP05-02	0 - 0.2	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	14	-	-	-
TP05-03	0 - 0.2	18/06/2025	Interlab_D	Soil	-	-	-	-	-	-	-	-	-	-	14	-	<0.50	<0.10
TP05-05	0.7 - 0.8	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	8.2	-	-	-
TP05-06	1.1 - 1.2	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	10	7.4	-	-
TP06-01	0 - 0.1	18/06/2025	Primary	Soil	<20	<1	<1	<0.5	<0.5	<0.5	<1	<10	<0.5	<5	20	-	-	-
TP06-03	0.7 - 0.8	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	15	-	-	-
TP06-05	1.5 - 2	18/06/2025	Primary	Rock	-	-	-	-	-	-	-	-	-	-	6.8	-	-	-
TP07-01	0 - 0.1	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	13	-	-	-
TP07-02	0.25 - 0.35	18/06/2025	Primary	Soil	-	-	-	-	-	-	-	-	-	-	15	-	-	-
TP07-03	0.25 - 0.35	18/06/2025	Intralab_D	Soil	-	-	-	-	-	-	-	-	-	-	13	-	-	-
ProUCL Output																		
95% UCL					-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of samples					-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean					-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD					-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD ≤ 50% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum detection					-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max ≤ 250% of WF?					-	-	-	-	-	-	-	-	-	-	-	-	-	-

NEPM Ecological Investigation Level Calculations

Allotment 102, Huffnangsthal Road, Williamstown, SA, 5351

Soil Assessment

241606-01

Chromium

Inputs		Outputs	
Select contaminant from list below		Land use	
Cr III		Cr III soil-specific EILs (mg contaminant/kg dry soil)	
Below needed to calculate fresh and aged ACLs			
Enter % clay (values from 0 to 100%)			
17			
Below needed to calculate fresh and aged ABCs			
Measured background concentration (mg/kg). Leave blank if no measured value			
or for fresh ABCs only			
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration			
or for aged ABCs only			
Enter State (or closest State)			
SA			
Enter traffic volume (high or low)			
low			
		National parks and areas of high conservation value	#NUM! 170
		Urban residential and open public spaces	#NUM! 490
		Commercial and industrial	#NUM! 810

NEPM Ecological Investigation Level Calculations

Allotment 102, Huffnangsthal Road, Williamstown, SA, 5351

Soil Assessment

241606-01

Copper

Inputs		Outputs	
Select contaminant from list below		Land use	
Cu		Cu soil-specific EILs (mg contaminant/kg dry soil)	
Below needed to calculate fresh and aged ACLs			
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)			
74		Fresh	Aged
Enter soil pH (calcium chloride method) (values from 1 to 14)		National parks and areas of high conservation value	#NUM! 95
8.2		Urban residential and open public spaces	#NUM! 260
Enter organic carbon content (%OC) (values from 0 to 50%)		Commercial and industrial	#NUM! 370
1.4			
Below needed to calculate fresh and aged ABCs			
Measured background concentration (mg/kg). Leave blank if no measured value			
or for fresh ABCs only			
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration			
or for aged ABCs only			
Enter State (or closest State)			
SA			
Enter traffic volume (high or low)			
low			

241606-01



Lead

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

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

NEPM Ecological Investigation Level Calculations

Allotment 102, Huffnangsthall Road, Williamstown, SA, 5351

Soil Assessment

241606-01

Nickel

Inputs		Outputs	
Select contaminant from list below		Land use	
Ni		Ni soil-specific EILs (mg contaminant/kg dry soil)	
Below needed to calculate fresh and aged ACLs			
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)			
74		Fresh	Aged
		National parks and areas of high conservation value	#NUM! 120
		Urban residential and open public spaces	#NUM! 650
		Commercial and industrial	#NUM! 1100
Below needed to calculate fresh and aged ABCs			
Measured background concentration (mg/kg). Leave blank if no measured value			
or for fresh ABCs only			
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration			
or for aged ABCs only			
Enter State (or closest State)			
SA			
Enter traffic volume (high or low)			
low			

NEPM Ecological Investigation Level Calculations

Allotment 102, Huffnangsthall Road, Williamstown, SA, 5351

Soil Assessment

241606-01

Zinc

Inputs		Outputs	
Select contaminant from list below		Land use	
Zn		Zn soil-specific EILs (mg contaminant/kg dry soil)	
Below needed to calculate fresh and aged ACLs			
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)			
74		Fresh	Aged
Enter soil pH (calcium chloride method) (values from 1 to 14)		National parks and areas of high conservation value	#NUM! 480
8.2		Urban residential and open public spaces	#NUM! 2000
		Commercial and industrial	#NUM! 3100
Below needed to calculate fresh and aged ABCs			
Measured background concentration (mg/kg). Leave blank if no measured value			
or for fresh ABCs only			
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration			
or for aged ABCs only			
Enter State (or closest State)			
SA			
Enter traffic volume (high or low)			
low			

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.2 4/07/2025 9:50:09 AM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	Ba											
12												
13	General Statistics											
14	Total Number of Observations				46		Number of Distinct Observations				27	
15							Number of Missing Observations				0	
16	Minimum				57		Mean				196.3	
17	Maximum				470		Median				185	
18	SD				88.92		Std. Error of Mean				13.11	
19	Coefficient of Variation				0.453		Skewness				0.626	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.96		Shapiro Wilk GOF Test					
23	1% Shapiro Wilk Critical Value				0.927		Data appear Normal at 1% Significance Level					
24	Lilliefors Test Statistic				0.0734		Lilliefors GOF Test					
25	1% Lilliefors Critical Value				0.151		Data appear Normal at 1% Significance Level					
26	Data appear Normal at 1% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
30	95% Student's-t UCL				218.4		95% Adjusted-CLT UCL (Chen-1995)				219.2	
31							95% Modified-t UCL (Johnson-1978)				218.6	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				0.335		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.753		Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.0828		Kolmogorov-Smimov Gamma GOF Test					
37	5% K-S Critical Value				0.131		Detected data appear Gamma Distributed at 5% Significance Level					
38	Detected data appear Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				4.719		k star (bias corrected MLE)				4.426	
42	Theta hat (MLE)				41.61		Theta star (bias corrected MLE)				44.37	
43	nu hat (MLE)				434.1		nu star (bias corrected)				407.1	
44	MLE Mean (bias corrected)				196.3		MLE Sd (bias corrected)				93.33	
45							Approximate Chi Square Value (0.05)				361.4	
46	Adjusted Level of Significance				0.0448		Adjusted Chi Square Value				360	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL				221.2		95% Adjusted Gamma UCL				222.1	
50												
51	Lognormal GOF Test											
52	Shapiro Wilk Test Statistic				0.962		Shapiro Wilk Lognormal GOF Test					
53	10% Shapiro Wilk Critical Value				0.953		Data appear Lognormal at 10% Significance Level					
54	Lilliefors Test Statistic				0.112		Lilliefors Lognormal GOF Test					
55	10% Lilliefors Critical Value				0.119		Data appear Lognormal at 10% Significance Level					

	A	B	C	D	E	F	G	H	I	J	K	L
56	Data appear Lognormal at 10% Significance Level											
57												
58	Lognormal Statistics											
59	Minimum of Logged Data				4.043		Mean of logged Data				5.17	
60	Maximum of Logged Data				6.153		SD of logged Data				0.493	
61												
62	Assuming Lognormal Distribution											
63	95% H-UCL				228.1		90% Chebyshev (MVUE) UCL				243.4	
64	95% Chebyshev (MVUE) UCL				263.9		97.5% Chebyshev (MVUE) UCL				292.3	
65	99% Chebyshev (MVUE) UCL				348.2							
66												
67	Nonparametric Distribution Free UCL Statistics											
68	Data appear to follow a Discernible Distribution											
69												
70	Nonparametric Distribution Free UCLs											
71	95% CLT UCL				217.9		95% BCA Bootstrap UCL				219.2	
72	95% Standard Bootstrap UCL				217.9		95% Bootstrap-t UCL				218.5	
73	95% Hall's Bootstrap UCL				219		95% Percentile Bootstrap UCL				217.9	
74	90% Chebyshev(Mean, Sd) UCL				235.7		95% Chebyshev(Mean, Sd) UCL				253.5	
75	97.5% Chebyshev(Mean, Sd) UCL				278.2		99% Chebyshev(Mean, Sd) UCL				326.8	
76												
77	Suggested UCL to Use											
78	95% Student's-t UCL				218.4							
79												
80	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
81	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
82	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
83												
84												
85	Cu											
86												
87	General Statistics											
88	Total Number of Observations				46		Number of Distinct Observations				32	
89							Number of Missing Observations				0	
90	Minimum				13		Mean				42.78	
91	Maximum				200		Median				37	
92	SD				28.05		Std. Error of Mean				4.135	
93	Coefficient of Variation				0.656		Skewness				4.113	
94												
95	Normal GOF Test											
96	Shapiro Wilk Test Statistic				0.637		Shapiro Wilk GOF Test					
97	1% Shapiro Wilk Critical Value				0.927		Data Not Normal at 1% Significance Level					
98	Lilliefors Test Statistic				0.237		Lilliefors GOF Test					
99	1% Lilliefors Critical Value				0.151		Data Not Normal at 1% Significance Level					
100	Data Not Normal at 1% Significance Level											
101												
102	Assuming Normal Distribution											
103	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
104	95% Student's-t UCL				49.73		95% Adjusted-CLT UCL (Chen-1995)				52.26	
105							95% Modified-t UCL (Johnson-1978)				50.15	
106												
107	Gamma GOF Test											
108	A-D Test Statistic				1.122		Anderson-Darling Gamma GOF Test					
109	5% A-D Critical Value				0.753		Data Not Gamma Distributed at 5% Significance Level					
110	K-S Test Statistic				0.16		Kolmogorov-Smirnov Gamma GOF Test					

	A	B	C	D	E	F	G	H	I	J	K	L	
111	5% K-S Critical Value					0.131	Data Not Gamma Distributed at 5% Significance Level						
112	Data Not Gamma Distributed at 5% Significance Level												
113													
114	Gamma Statistics												
115	k hat (MLE)				4.342	k star (bias corrected MLE)					4.073		
116	Theta hat (MLE)				9.853	Theta star (bias corrected MLE)					10.5		
117	nu hat (MLE)				399.5	nu star (bias corrected)					374.7		
118	MLE Mean (bias corrected)				42.78	MLE Sd (bias corrected)					21.2		
119						Approximate Chi Square Value (0.05)					330.9		
120	Adjusted Level of Significance				0.0448	Adjusted Chi Square Value					329.5		
121													
122	Assuming Gamma Distribution												
123	95% Approximate Gamma UCL				48.45	95% Adjusted Gamma UCL					48.65		
124													
125	Lognormal GOF Test												
126	Shapiro Wilk Test Statistic				0.96	Shapiro Wilk Lognormal GOF Test							
127	10% Shapiro Wilk Critical Value				0.953	Data appear Lognormal at 10% Significance Level							
128	Lilliefors Test Statistic				0.119	Lilliefors Lognormal GOF Test							
129	10% Lilliefors Critical Value				0.119	Data Not Lognormal at 10% Significance Level							
130	Data appear Approximate Lognormal at 10% Significance Level												
131													
132	Lognormal Statistics												
133	Minimum of Logged Data				2.565	Mean of logged Data					3.637		
134	Maximum of Logged Data				5.298	SD of logged Data					0.456		
135													
136	Assuming Lognormal Distribution												
137	95% H-UCL				47.79	90% Chebyshev (MVUE) UCL					50.85		
138	95% Chebyshev (MVUE) UCL				54.85	97.5% Chebyshev (MVUE) UCL					60.4		
139	99% Chebyshev (MVUE) UCL				71.3								
140													
141	Nonparametric Distribution Free UCL Statistics												
142	Data appear to follow a Discernible Distribution												
143													
144	Nonparametric Distribution Free UCLs												
145	95% CLT UCL				49.58	95% BCA Bootstrap UCL					53.48		
146	95% Standard Bootstrap UCL				49.55	95% Bootstrap-t UCL					54.81		
147	95% Hall's Bootstrap UCL				80.38	95% Percentile Bootstrap UCL					50.2		
148	90% Chebyshev(Mean, Sd) UCL				55.19	95% Chebyshev(Mean, Sd) UCL					60.81		
149	97.5% Chebyshev(Mean, Sd) UCL				68.61	99% Chebyshev(Mean, Sd) UCL					83.93		
150													
151	Suggested UCL to Use												
152	95% H-UCL				47.79								
153													
154	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.												
155	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.												
156	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.												
157													
158													
159	Mn												
160													
161	General Statistics												
162	Total Number of Observations				46	Number of Distinct Observations					30		
163						Number of Missing Observations					0		
164	Minimum				120	Mean					368.3		
165	Maximum				780	Median					355		

	A	B	C	D	E	F	G	H	I	J	K	L
166	SD					135.5	Std. Error of Mean					19.97
167	Coefficient of Variation					0.368	Skewness					1.094
168												
169	Normal GOF Test											
170	Shapiro Wilk Test Statistic					0.927	Shapiro Wilk GOF Test					
171	1% Shapiro Wilk Critical Value					0.927	Data Not Normal at 1% Significance Level					
172	Lilliefors Test Statistic					0.107	Lilliefors GOF Test					
173	1% Lilliefors Critical Value					0.151	Data appear Normal at 1% Significance Level					
174	Data appear Approximate Normal at 1% Significance Level											
175												
176	Assuming Normal Distribution											
177	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
178	95% Student's-t UCL					401.8	95% Adjusted-CLT UCL (Chen-1995)					404.6
179							95% Modified-t UCL (Johnson-1978)					402.3
180												
181	Gamma GOF Test											
182	A-D Test Statistic					0.321	Anderson-Darling Gamma GOF Test					
183	5% A-D Critical Value					0.75	Detected data appear Gamma Distributed at 5% Significance Level					
184	K-S Test Statistic					0.0754	Kolmogorov-Smirnov Gamma GOF Test					
185	5% K-S Critical Value					0.131	Detected data appear Gamma Distributed at 5% Significance Level					
186	Detected data appear Gamma Distributed at 5% Significance Level											
187												
188	Gamma Statistics											
189	k hat (MLE)					8.001	k star (bias corrected MLE)					7.494
190	Theta hat (MLE)					46.02	Theta star (bias corrected MLE)					49.14
191	nu hat (MLE)					736.1	nu star (bias corrected)					689.5
192	MLE Mean (bias corrected)					368.3	MLE Sd (bias corrected)					134.5
193							Approximate Chi Square Value (0.05)					629.5
194	Adjusted Level of Significance					0.0448	Adjusted Chi Square Value					627.7
195												
196	Assuming Gamma Distribution											
197	95% Approximate Gamma UCL					403.3	95% Adjusted Gamma UCL					404.5
198												
199	Lognormal GOF Test											
200	Shapiro Wilk Test Statistic					0.982	Shapiro Wilk Lognormal GOF Test					
201	10% Shapiro Wilk Critical Value					0.953	Data appear Lognormal at 10% Significance Level					
202	Lilliefors Test Statistic					0.0793	Lilliefors Lognormal GOF Test					
203	10% Lilliefors Critical Value					0.119	Data appear Lognormal at 10% Significance Level					
204	Data appear Lognormal at 10% Significance Level											
205												
206	Lognormal Statistics											
207	Minimum of Logged Data					4.787	Mean of logged Data					5.845
208	Maximum of Logged Data					6.659	SD of logged Data					0.365
209												
210	Assuming Lognormal Distribution											
211	95% H-UCL					407.3	90% Chebyshev (MVUE) UCL					430
212	95% Chebyshev (MVUE) UCL					457.7	97.5% Chebyshev (MVUE) UCL					496.2
213	99% Chebyshev (MVUE) UCL					571.7						
214												
215	Nonparametric Distribution Free UCL Statistics											
216	Data appear to follow a Discernible Distribution											
217												
218	Nonparametric Distribution Free UCLs											
219	95% CLT UCL					401.1	95% BCA Bootstrap UCL					405.7
220	95% Standard Bootstrap UCL					401.1	95% Bootstrap-t UCL					407.3

	A	B	C	D	E	F	G	H	I	J	K	L
221	95% Hall's Bootstrap UCL					409.7	95% Percentile Bootstrap UCL					401.5
222	90% Chebyshev(Mean, Sd) UCL					428.2	95% Chebyshev(Mean, Sd) UCL					455.3
223	97.5% Chebyshev(Mean, Sd) UCL					493	99% Chebyshev(Mean, Sd) UCL					567
224												
225	Suggested UCL to Use											
226	95% Student's-t UCL					401.8						
227												
228	When a data set follows an approximate distribution passing only one of the GOF tests,											
229	it is suggested to use a UCL based upon a distribution passing both GOF tests in ProUCL											
230												
231	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
232	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
233	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
234												

Appendix D

Quality Assurance and Quality Control

Field ID Date Lab Report Number Sample Type			BH04-01	BH04-09	RPD	BH04-01	BH04-10	RPD	BH06-01	BH06-10	RPD
			11/06/2025	11/06/2025		11/06/2025	11/06/2025		11/06/2025	11/06/2025	
			1232223	1232223		1232223	MGF0248		1232223	1232223	
			Primary	Intralab_D		Primary	Interlab_D		Primary	Intralab_D	
	Unit	LOR									
Metals											
Arsenic	mg/kg	2	-	-	-	-	-	-	-	2.1	-
Barium	mg/kg	1	-	-	-	-	-	-	-	100	-
Beryllium	mg/kg	1	-	-	-	-	-	-	-	<2	-
Boron	mg/kg	10	-	-	-	-	-	-	-	<10	-
Cadmium	mg/kg	0.4	-	-	-	-	-	-	-	<0.4	-
Chromium (III+VI)	mg/kg	1	-	-	-	-	-	-	-	40	-
Cobalt	mg/kg	1	-	-	-	-	-	-	-	12	-
Copper	mg/kg	1	-	-	-	-	-	-	-	66	-
Lead	mg/kg	1	-	-	-	-	-	-	-	12	-
Manganese	mg/kg	1	-	-	-	-	-	-	-	390	-
Mercury	mg/kg	0.1	-	-	-	-	-	-	-	<0.1	-
Molybdenum	mg/kg	1	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	1	-	-	-	-	-	-	-	15	-
Selenium	mg/kg	2	-	-	-	-	-	-	-	<2	-
Silver	mg/kg	1	-	-	-	-	-	-	-	-	-
Tin	mg/kg	2	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	10	-	-	-	-	-	-	-	57	-
Zinc	mg/kg	1	-	-	-	-	-	-	-	60	-
Organochlorine Pesticides											
4,4-DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
4,4-DDE	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
4,4-DDT	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
a-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
b-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
d-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Aldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
chlordan	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
Endosulfan I	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Endosulfan II	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Endrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Heptachlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Methoxychlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	<0.05	-	-
Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	<0.5	-	-

Lab Report Number Sample Type			Field ID		RPD	BH04-01		BH04-10		RPD	BH06-01		BH06-10		RPD		
			Date			11/06/2025		11/06/2025			11/06/2025		11/06/2025				
			1232223			1232223		1232223			MGF0248		1232223			1232223	
			Primary			Intralab_D		Primary			Interlab_D		Primary			Intralab_D	
Organophosphorous Pesticides																	
Azinophos methyl	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Chlorfenvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Chlorpyrifos	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Chlorpyrifos-methyl	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Coumaphos	mg/kg	0.1	<2	<2	0	<2	<0.10	0	<2	-	-	<2	-	-	-		
Demeton-O	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Demeton-S	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Diazinon	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Dichlorvos	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Dimethoate	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Disulfoton	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
EPN	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Ethion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Ethoprop	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Fenitrothion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Fensulfothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Fenthion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Malathion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Merphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Methyl parathion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Mevinphos (Phosdrin)	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Monocrotophos	mg/kg	2	<2	<2	0	<2	-	-	<2	-	-	<2	-	-	-		
Naled (Dibrom)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Omethoate	mg/kg	2	<2	<2	0	<2	-	-	<2	-	-	<2	-	-	-		
Parathion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Phorate	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Pirimiphos-methyl	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Pyrazophos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Ronnel	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	<0.2	-	-	<0.2	-	-	-		
Terbufos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Tokuthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Trichloronate	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Tetrachlorvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	<0.2	-	-	-		
Herbicides																	
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
2,4,5-TP (Silvex)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hedonal	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
2,4-Dichlorprop	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
Actril (loxynil)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dicamba	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mecoprop	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phenols																	
4,6-Dinitro-2-methylphenol	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dinoseb	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-		

Lab Report Number Sample Type			Field ID		RPD	BH06-01		BH06-11		RPD	BH15-01		BH15-15		RPD	TP04-02		TP04-03		RPD
			Date			11/06/2025		11/06/2025			26/06/2025		26/06/2025			18/06/2025		18/06/2025		
			1232223			MGF0248		1239250			1239250		1235344			1235344				
			Primary			Interlab_D		Primary			Intralab_D		Primary			Intralab_D				
	Unit	LOR																		
Metals																				
Arsenic	mg/kg	2	-	<4.0	-	<2	<2	0	4.2	3.5	18									
Barium	mg/kg	1	-	75	-	91	97	6	150	150	0									
Beryllium	mg/kg	1	-	<1.0	-	<2	<2	0	2.1	<2	5									
Boron	mg/kg	10	-	<10	-	<10	<10	0	<10	<10	0									
Cadmium	mg/kg	0.4	-	<0.40	-	<0.4	<0.4	0	<0.4	<0.4	0									
Chromium (III+VI)	mg/kg	1	-	32	-	36	37	3	82	73	12									
Cobalt	mg/kg	1	-	10	-	7.1	7.5	5	18	13	32									
Copper	mg/kg	1	-	28	-	37	40	8	30	36	18									
Lead	mg/kg	1	-	6.9	-	7.4	8.9	18	15	13	14									
Manganese	mg/kg	1	-	270	-	200	200	0	330	310	6									
Mercury	mg/kg	0.1	-	<0.10	-	<0.1	<0.1	0	<0.1	<0.1	0									
Molybdenum	mg/kg	1	-	<1.0	-	<5	<5	0	-	-	-									
Nickel	mg/kg	1	-	11	-	12	13	8	31	27	14									
Selenium	mg/kg	2	-	<2.0	-	<2	<2	0	<2	<2	0									
Silver	mg/kg	1	-	<1.0	-	<2	<2	0	-	-	-									
Tin	mg/kg	2	-	<2.0	-	<10	<10	0	-	-	-									
Vanadium	mg/kg	10	-	-	-	-	-	-	120	100	18									
Zinc	mg/kg	1	-	29	-	30	27	11	49	43	13									
Organochlorine Pesticides																				
4,4-DDD	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
4,4-DDE	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
4,4-DDT	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
DDT+DDE+DDD	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
a-BHC	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
b-BHC	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
d-BHC	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
g-BHC (Lindane)	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Aldrin	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Dieldrin	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Aldrin + Dieldrin	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
chlordan	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-									
Endosulfan I	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Endosulfan II	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Endosulfan sulphate	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Endrin	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Endrin aldehyde	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Endrin ketone	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Heptachlor	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Heptachlor epoxide	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Hexachlorobenzene	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Methoxychlor	mg/kg	0.05	<0.05	-	-	-	-	-	-	-	-									
Toxaphene	mg/kg	0.5	<0.5	-	-	-	-	-	-	-	-									

Field ID Date Lab Report Number Sample Type			BH06-01	BH06-11	RPD	BH15-01	BH15-15	RPD	TP04-02	TP04-03	RPD
			11/06/2025	11/06/2025		26/06/2025	26/06/2025		18/06/2025	18/06/2025	
			1232223	MGF0248		1239250	1239250		1235344	1235344	
			Primary	Interlab_D		Primary	Intralab_D		Primary	Intralab_D	
Organophosphorous Pesticides											
Azinophos methyl	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Chlorpyrifos	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Chlorpyrifos-methyl	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Coumaphos	mg/kg	0.1	<2	-	-	-	-	-	-	-	-
Demeton-O	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Demeton-S	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Diazinon	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Dichlorvos	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Dimethoate	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Disulfoton	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
EPN	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Ethion	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Ethoprop	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Fenitrothion	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Fensulfothion	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Fenthion	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Malathion	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Merphos	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Methyl parathion	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Mevinphos (Phosdrin)	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Monocrotophos	mg/kg	2	<2	-	-	-	-	-	-	-	-
Naled (Dibrom)	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Omethoate	mg/kg	2	<2	-	-	-	-	-	-	-	-
Parathion	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Phorate	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Pirimiphos-methyl	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Ronnel	mg/kg	0.1	<0.2	-	-	-	-	-	-	-	-
Terbufos	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Tokuthion	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Trichloronate	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Tetrachlorvinphos	mg/kg	0.2	<0.2	-	-	-	-	-	-	-	-
Herbicides											
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Hedonal	mg/kg	0.5	-	-	-	-	-	-	-	-	-
2,4-Dichlorprop	mg/kg	0.5	-	-	-	-	-	-	-	-	-
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Actril (ioxynil)	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Dicamba	mg/kg	0.5	-	-	-	-	-	-	-	-	-
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5	-	-	-	-	-	-	-	-	-
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Mecoprop	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Phenols											
4,6-Dinitro-2-methylphenol	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Dinoseb	mg/kg	0.5	-	-	-	-	-	-	-	-	-

Field ID	Date	Lab Report Number	Sample Type	TP05-01	TP05-02	RPD	TP05-01	TP05-03	RPD	TP07-02	TP07-03	RPD
Metals	Unit	LOR										
Arsenic	mg/kg	2	3.3	4.4	29	3.3	<4.0	0	4.1	4	2	
Barium	mg/kg	1	200	180	11	200	130	42	270	290	7	
Beryllium	mg/kg	1	<2	<2	0	<2	<1.0	0	<2	<2	0	
Boron	mg/kg	10	<10	<10	0	<10	<10	0	12	<10	18	
Cadmium	mg/kg	0.4	<0.4	<0.4	0	<0.4	<0.40	0	<0.4	<0.4	0	
Chromium (III+VI)	mg/kg	1	44	45	2	44	32	32	110	100	10	
Cobalt	mg/kg	1	15	15	0	15	11	31	20	20	0	
Copper	mg/kg	1	30	36	18	30	24	22	45	44	2	
Lead	mg/kg	1	12	14	15	12	10	18	17	18	6	
Manganese	mg/kg	1	690	550	23	690	430	46	380	350	8	
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.10	0	<0.1	<0.1	0	
Molybdenum	mg/kg	1	-	-	-	-	<1.0	-	-	-	-	
Nickel	mg/kg	1	16	16	0	16	11	37	40	36	11	
Selenium	mg/kg	2	<2	<2	0	<2	<2.0	0	<2	<2	0	
Silver	mg/kg	1	-	-	-	-	<1.0	-	-	-	-	
Tin	mg/kg	2	-	-	-	-	<2.0	-	-	-	-	
Vanadium	mg/kg	10	54	62	14	54	-	-	160	150	6	
Zinc	mg/kg	1	44	43	2	44	31	35	63	67	6	
Organochlorine Pesticides												
4,4-DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
4,4-DDE	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
4,4-DDT	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
a-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
b-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
d-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Aldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
chlordane	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Endosulfan I	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Endosulfan II	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Endrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Heptachlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Methoxychlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.10	0	-	-	-	
Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	-	-	-	

Field ID Date Lab Report Number Sample Type			TP05-01	TP05-02	RPD	TP05-01	TP05-03	RPD	TP07-02	TP07-03	RPD
			18/06/2025	18/06/2025		18/06/2025	18/06/2025				
			1235344	1235344		MGF0375	1235344				
			Primary	Intralab_D		Primary	Interlab_D				
Organophosphorous Pesticides											
Azinophos methyl	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Chlorpyrifos	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Chlorpyrifos-methyl	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Coumaphos	mg/kg	0.1	<2	<2	0	<2	<0.10	0	-	-	-
Demeton-O	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Demeton-S	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Diazinon	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Dichlorvos	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Dimethoate	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Disulfoton	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
EPN	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Ethion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Ethoprop	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Fenitrothion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Fensulfothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Fenthion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Malathion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Merphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Methyl parathion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Mevinphos (Phosdrin)	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Monocrotophos	mg/kg	2	<2	<2	0	<2	-	-	-	-	-
Naled (Dibrom)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Omethoate	mg/kg	2	<2	<2	0	<2	-	-	-	-	-
Parathion	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Phorate	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Pirimiphos-methyl	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Ronnel	mg/kg	0.1	<0.2	<0.2	0	<0.2	<0.10	0	-	-	-
Terbufos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Tokuthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Trichloronate	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Tetrachlorvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	-	-	-
Herbicides											
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
2,4,5-TP (Silvex)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
Hedonal	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
2,4-Dichlorprop	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
Actril (loxynil)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<1.0	0	-	-	-
Dicamba	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
Mecoprop	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.50	0	-	-	-
Phenols											
4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	-	-	-
Dinoseb	mg/kg	0.5	<0.5	<0.5	0	<0.5	<1.0	0	-	-	-



			Field ID	Rinse-02	RINSE-01	TB01
			Date	18/06/2025	11/06/2025	11/06/2025
			Sample Type	Rinsate	Rinsate	Trip_B
	Unit	LOR				
Metals						
Arsenic	µg/L	1	<1	<1	-	
Barium	µg/L	20	<20	-	-	
Beryllium	µg/L	1	<1	<1	-	
Boron	µg/L	50	<50	<50	-	
Cadmium	µg/L	0.2	<0.2	<0.2	-	
Chromium (III+VI)	µg/L	1	<1	<1	-	
Cobalt	µg/L	1	<1	<1	-	
Copper	µg/L	1	<1	<1	-	
Lead	µg/L	1	<1	<1	-	
Manganese	µg/L	5	<5	<5	-	
Mercury	µg/L	0.1	<0.1	<0.1	-	
Nickel	µg/L	1	<1	<1	-	
Selenium	µg/L	1	<1	<1	-	
Vanadium	µg/L	5	<5	-	-	
Zinc	µg/L	5	<5	11	-	
PAH						
Naphthalene (value used in F2 calc)	mg/kg	0.01	-	-	<0.01	
TRH						
TRH C6-C9	µg/L	20	-	-	<20	
BTEX						
Benzene	µg/L	1	-	-	<1	
Toluene	µg/L	1	-	-	<1	
Ethylbenzene	µg/L	1	-	-	<1	
Xylene (o)	µg/L	1	-	-	<1	
Xylene (m & p)	µg/L	2	-	-	<2	
Xylene Total	µg/L	3	-	-	<3	

Appendix E

Laboratory Certificates

LBW co Pty Ltd
184 Magill Road
Norwood
SA 5069



NATA Accredited
Accreditation Number 1261
Site Number 1254

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

Attention: **Stuart Taylor**

Report **1232223-S**
Project name **South Barossa Winery & Tourist Accomodation Soil Ass**
Project ID **241606A-01**
Received Date **Jun 13, 2025**

Client Sample ID			BH01-01	BH01-02	BH02-01	BH02-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25- Jn0036436	M25- Jn0036437	M25- Jn0036438	M25- Jn0036439
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	< 0.1
4,4'-DDD	0.05	mg/kg	< 0.05	-	-	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05	-	-	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05	-	-	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchloredate (surr.)	1	%	96	-	-	103
Tetrachloro-m-xylene (surr.)	1	%	91	-	-	96
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	-
Coumaphos	2	mg/kg	< 2	-	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-	-

Client Sample ID			BH01-01	BH01-02	BH02-01	BH02-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036436	M25-Jn0036437	M25-Jn0036438	M25-Jn0036439
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
EPN	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Malathion	0.2	mg/kg	< 0.2	-	-	-
Merphos	0.2	mg/kg	< 0.2	-	-	-
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Monocrotophos	2	mg/kg	< 2	-	-	-
Naled	0.2	mg/kg	< 0.2	-	-	-
Omethoate	2	mg/kg	< 2	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	84	-	-	-
Sample Properties						
% Moisture	1	%	15	12	20	6.2
Heavy Metals						
Arsenic	2	mg/kg	-	3.4	< 2	< 2
Barium	10	mg/kg	-	150	87	75
Beryllium	2	mg/kg	-	< 2	< 2	< 2
Boron	10	mg/kg	-	< 10	< 10	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	86	27	26
Cobalt	5	mg/kg	-	16	8.5	11
Copper	5	mg/kg	-	28	70	13
Iron	20	mg/kg	-	-	-	16000
Lead	5	mg/kg	-	14	10	6.9
Manganese	5	mg/kg	-	400	350	390
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	25	9.7	8.9
Selenium	2	mg/kg	-	2.9	< 2	-
Silver	2	mg/kg	-	-	-	< 2
Vanadium	10	mg/kg	-	120	39	-
Zinc	5	mg/kg	-	48	50	22

Client Sample ID			BH01-01	BH01-02	BH02-01	BH02-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036436	M25-Jn0036437	M25-Jn0036438	M25-Jn0036439
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Synthetic Pyrethroids*						
Allethrin*	2	mg/kg	-	-	< 2	-
Cyfluthrin*	2	mg/kg	-	-	< 2	-
Cypermethrin (total)*	2	mg/kg	-	-	< 2	-
Fenvalerate*	2	mg/kg	-	-	< 2	-
Permethrin	2	mg/kg	-	-	< 2	-
Phenothrin*	2	mg/kg	-	-	< 2	-
Resmethrin*	2	mg/kg	-	-	< 2	-
Tetramethrin*	2	mg/kg	-	-	< 2	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	-	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	-	-	-	< 0.5
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	70
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	-	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			BH01-01	BH01-02	BH02-01	BH02-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036436	M25-Jn0036437	M25-Jn0036438	M25-Jn0036439
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	90
p-Terphenyl-d14 (surr.)	1	%	-	-	-	102
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchloredate (surr.)	1	%	-	-	-	103
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	96
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,4,6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1.0	mg/kg	-	-	-	< 1
2,4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	86
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20
Chromium (hexavalent)	1	mg/kg	-	-	-	< 1
Chromium (trivalent)	5	mg/kg	-	-	-	26
Cyanide (total)	5	mg/kg	-	-	-	< 5

Client Sample ID			BH03-01	BH03-02	BH04-01	BH04-09
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036440	M25-Jn0036441	M25-Jn0036442	M25-Jn0036443
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	< 0.1
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchloroendate (surr.)	1	%	-	-	105	54
Tetrachloro-m-xylene (surr.)	1	%	-	-	93	55
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	-	< 2	< 2
Demeton-S	0.2	mg/kg	-	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	-	< 0.2	< 0.2
EPN	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	-	< 0.2	< 0.2

Client Sample ID			BH03-01	BH03-02	BH04-01	BH04-09
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036440	M25-Jn0036441	M25-Jn0036442	M25-Jn0036443
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	-	< 2	< 2
Naled	0.2	mg/kg	-	-	< 0.2	< 0.2
Omethoate	2	mg/kg	-	-	< 2	< 2
Phorate	0.2	mg/kg	-	-	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	-	-	< 0.2	< 0.2
Ronnel	0.2	mg/kg	-	-	< 0.2	< 0.2
Terbufos	0.2	mg/kg	-	-	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	-	-	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	-	-	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	-	87	76
Sample Properties						
% Moisture	1	%	14	6.9	13	12
Heavy Metals						
Arsenic	2	mg/kg	-	2.3	-	-
Barium	10	mg/kg	-	110	-	-
Beryllium	2	mg/kg	-	< 2	-	-
Boron	10	mg/kg	-	< 10	-	-
Cadmium	0.4	mg/kg	-	< 0.4	-	-
Chromium	5	mg/kg	-	61	-	-
Cobalt	5	mg/kg	-	17	-	-
Copper	5	mg/kg	-	20	-	-
Lead	5	mg/kg	-	11	-	-
Manganese	5	mg/kg	-	480	-	-
Mercury	0.1	mg/kg	-	< 0.1	-	-
Nickel	5	mg/kg	-	17	-	-
Selenium	2	mg/kg	-	2.7	-	-
Vanadium	10	mg/kg	-	89	-	-
Zinc	5	mg/kg	-	33	-	-
Synthetic Pyrethroids*						
Allethrin*	2	mg/kg	< 2	-	-	-
Cyfluthrin*	2	mg/kg	< 2	-	-	-
Cypermethrin (total)*	2	mg/kg	< 2	-	-	-
Fenvalerate*	2	mg/kg	< 2	-	-	-
Permethrin	2	mg/kg	< 2	-	-	-
Phenothrin*	2	mg/kg	< 2	-	-	-
Resmethrin*	2	mg/kg	< 2	-	-	-
Tetramethrin*	2	mg/kg	< 2	-	-	-

Client Sample ID			BH05-02	BH05-04	BH06-01	BH06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036444	M25-Jn0036445	M25-Jn0036446	M25-Jn0036447
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	< 0.1
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchloroendate (surr.)	1	%	-	-	103	63
Tetrachloro-m-xylene (surr.)	1	%	-	-	92	56
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	< 0.2	-
Bolstar	0.2	mg/kg	-	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	-	< 0.2	-
Coumaphos	2	mg/kg	-	-	< 2	-
Demeton-S	0.2	mg/kg	-	-	< 0.2	-
Demeton-O	0.2	mg/kg	-	-	< 0.2	-
Diazinon	0.2	mg/kg	-	-	< 0.2	-
Dichlorvos	0.2	mg/kg	-	-	< 0.2	-
Dimethoate	0.2	mg/kg	-	-	< 0.2	-
Disulfoton	0.2	mg/kg	-	-	< 0.2	-
EPN	0.2	mg/kg	-	-	< 0.2	-
Ethion	0.2	mg/kg	-	-	< 0.2	-
Ethoprop	0.2	mg/kg	-	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	-	-	< 0.2	-
Fenitrothion	0.2	mg/kg	-	-	< 0.2	-
Fensulfothion	0.2	mg/kg	-	-	< 0.2	-
Fenthion	0.2	mg/kg	-	-	< 0.2	-
Malathion	0.2	mg/kg	-	-	< 0.2	-
Merphos	0.2	mg/kg	-	-	< 0.2	-

Client Sample ID			BH05-02	BH05-04	BH06-01	BH06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036444	M25-Jn0036445	M25-Jn0036446	M25-Jn0036447
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	-	-	< 0.2	-
Mevinphos	0.2	mg/kg	-	-	< 0.2	-
Monocrotophos	2	mg/kg	-	-	< 2	-
Naled	0.2	mg/kg	-	-	< 0.2	-
Omethoate	2	mg/kg	-	-	< 2	-
Phorate	0.2	mg/kg	-	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	-	-	< 0.2	-
Pyrazophos	0.2	mg/kg	-	-	< 0.2	-
Ronnel	0.2	mg/kg	-	-	< 0.2	-
Terbufos	0.2	mg/kg	-	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	-	-	< 0.2	-
Tokuthion	0.2	mg/kg	-	-	< 0.2	-
Trichloronate	0.2	mg/kg	-	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	-	-	86	-
Sample Properties						
% Moisture	1	%	21	11	14	19
Heavy Metals						
Arsenic	2	mg/kg	4.7	-	-	2.5
Barium	10	mg/kg	200	-	-	110
Beryllium	2	mg/kg	< 2	-	-	< 2
Boron	10	mg/kg	< 10	-	-	-
Cadmium	0.4	mg/kg	< 0.4	-	-	< 0.4
Chromium	5	mg/kg	110	-	-	49
Cobalt	5	mg/kg	18	-	-	11
Copper	5	mg/kg	39	-	-	24
Iron	20	mg/kg	-	73000	-	35000
Lead	5	mg/kg	16	-	-	10
Manganese	5	mg/kg	480	-	-	270
Mercury	0.1	mg/kg	0.1	-	-	< 0.1
Nickel	5	mg/kg	42	-	-	21
Selenium	2	mg/kg	2.1	-	-	-
Silver	2	mg/kg	-	-	-	< 2
Vanadium	10	mg/kg	160	-	-	-
Zinc	5	mg/kg	61	-	-	41
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	-	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	-	-	-	< 0.5
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100

Client Sample ID			BH05-02	BH05-04	BH06-01	BH06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036444	M25-Jn0036445	M25-Jn0036446	M25-Jn0036447
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	88
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	-	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	57
p-Terphenyl-d14 (surr.)	1	%	-	-	-	71
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchloroendate (surr.)	1	%	-	-	-	63
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	56
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,4,6-Trichlorophenol	1	mg/kg	-	-	-	< 1

Client Sample ID			BH05-02	BH05-04	BH06-01	BH06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036444	M25-Jn0036445	M25-Jn0036446	M25-Jn0036447
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2,6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1.0	mg/kg	-	-	-	< 1
2,4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	86
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20
Chromium (hexavalent)	1	mg/kg	-	-	-	< 1
Chromium (trivalent)	5	mg/kg	-	-	-	49
Cyanide (total)	5	mg/kg	-	-	-	< 5
% Clay	2.5	%	-	17	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	74	-	-
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	-	8.2	-	-
Total Organic Carbon	0.1	%	-	1.4	-	-
Heavy Metals						
Iron (%)	0.01	%	-	7.3	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	-	36	-	-

Client Sample ID			BH06-05	BH06-10	BH07-01	BH07-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036448	M25-Jn0036449	M25-Jn0036450	M25-Jn0036451
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	-	< 0.1
4,4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-HCH	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-HCH	0.05	mg/kg	-	-	-	< 0.05
d-HCH	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	< 0.05

Client Sample ID			BH06-05	BH06-10	BH07-01	BH07-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036448	M25-Jn0036449	M25-Jn0036450	M25-Jn0036451
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxaphene	0.5	mg/kg	-	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	59
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	58
Sample Properties						
% Moisture	1	%	6.5	31	17	8.9
Heavy Metals						
Arsenic	2	mg/kg	2.5	2.1	-	3.1
Barium	10	mg/kg	150	100	-	240
Beryllium	2	mg/kg	< 2	< 2	-	< 2
Boron	10	mg/kg	< 10	< 10	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	< 0.4
Chromium	5	mg/kg	42	40	-	76
Cobalt	5	mg/kg	11	12	-	15
Copper	5	mg/kg	22	66	-	27
Iron	20	mg/kg	-	-	-	47000
Lead	5	mg/kg	8.5	12	-	11
Manganese	5	mg/kg	340	390	-	440
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Nickel	5	mg/kg	18	15	-	29
Selenium	2	mg/kg	< 2	< 2	-	-
Silver	2	mg/kg	-	-	-	< 2
Vanadium	10	mg/kg	69	57	-	-
Zinc	5	mg/kg	39	60	-	49
Synthetic Pyrethroids*						
Allethrin*	2	mg/kg	-	-	< 2	-
Cyfluthrin*	2	mg/kg	-	-	< 2	-
Cypermethrin (total)*	2	mg/kg	-	-	< 2	-
Fenvalerate*	2	mg/kg	-	-	< 2	-
Permethrin	2	mg/kg	-	-	< 2	-
Phenothrin*	2	mg/kg	-	-	< 2	-
Resmethrin*	2	mg/kg	-	-	< 2	-
Tetramethrin*	2	mg/kg	-	-	< 2	-

Client Sample ID			BH06-05	BH06-10	BH07-01	BH07-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036448	M25-Jn0036449	M25-Jn0036450	M25-Jn0036451
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	-	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	-	-	-	< 0.5
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	83
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	-	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	55
p-Terphenyl-d14 (surr.)	1	%	-	-	-	105

Client Sample ID			BH06-05	BH06-10	BH07-01	BH07-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036448	M25-Jn0036449	M25-Jn0036450	M25-Jn0036451
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchloredate (surr.)	1	%	-	-	-	59
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	58
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,4,6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1.0	mg/kg	-	-	-	< 1
2,4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	102
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20
Chromium (hexavalent)	1	mg/kg	-	-	-	< 1
Chromium (trivalent)	5	mg/kg	-	-	-	76
Cyanide (total)	5	mg/kg	-	-	-	< 5

Client Sample ID			BH08-04	BH09-01	BH09-06
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036452	M25-Jn0036453	M25-Jn0036454
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit			
Organochlorine Pesticides					
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1
4,4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1
Dibutylchloride (surr.)	1	%	94	-	92
Tetrachloro-m-xylene (surr.)	1	%	88	-	89
Sample Properties					
% Moisture	1	%	11	14	12
Heavy Metals					
Arsenic	2	mg/kg	2.2	< 2	< 2
Barium	10	mg/kg	320	67	170
Beryllium	2	mg/kg	< 2	< 2	< 2
Boron	10	mg/kg	-	< 10	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	89	24	54
Cobalt	5	mg/kg	22	7.9	15
Copper	5	mg/kg	43	24	23
Iron	20	mg/kg	72000	-	36000
Lead	5	mg/kg	12	6.2	7.5
Manganese	5	mg/kg	730	280	520
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	42	8.2	28
Selenium	2	mg/kg	-	< 2	-
Silver	2	mg/kg	< 2	-	< 2
Vanadium	10	mg/kg	-	32	-
Zinc	5	mg/kg	41	21	36

Client Sample ID			BH08-04	BH09-01	BH09-06
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036452	M25-Jn0036453	M25-Jn0036454
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons					
TRH C6-C9	20	mg/kg	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50
TRH C6-C10	20	mg/kg	< 20	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	-	< 0.5
TRH >C16-C34	100	mg/kg	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100
BTEX					
Benzene	0.1	mg/kg	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	64	-	117
Volatile Organics					
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5
Polycyclic Aromatic Hydrocarbons					
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	90	-	89
p-Terphenyl-d14 (surr.)	1	%	97	-	98

Client Sample ID			BH08-04	BH09-01	BH09-06
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0036452	M25-Jn0036453	M25-Jn0036454
Date Sampled			Jun 11, 2025	Jun 11, 2025	Jun 11, 2025
Test/Reference	LOR	Unit			
Polychlorinated Biphenyls					
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1
Dibutylchloroendate (surr.)	1	%	94	-	92
Tetrachloro-m-xylene (surr.)	1	%	88	-	89
Phenols (Halogenated)					
2-Chlorophenol	0.5	mg/kg	< 0.5	-	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	< 1	-	< 1
2,4,6-Trichlorophenol	1	mg/kg	< 1	-	< 1
2,6-Dichlorophenol	0.5	mg/kg	< 0.5	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	< 1
Pentachlorophenol	1	mg/kg	< 1	-	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	-	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	-	< 1
Phenols (non-Halogenated)					
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	< 20	-	< 20
2-Methyl-4,6-dinitrophenol	5	mg/kg	< 5	-	< 5
2-Nitrophenol	1.0	mg/kg	< 1	-	< 1
2,4-Dimethylphenol	0.5	mg/kg	< 0.5	-	< 0.5
2,4-Dinitrophenol	5	mg/kg	< 5	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	< 0.4
Total cresols*	0.5	mg/kg	< 0.5	-	< 0.5
4-Nitrophenol	5	mg/kg	< 5	-	< 5
Dinoseb	20	mg/kg	< 20	-	< 20
Phenol	0.5	mg/kg	< 0.5	-	< 0.5
Phenol-d6 (surr.)	1	%	58	-	61
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	< 20
Chromium (hexavalent)	1	mg/kg	< 1	-	< 1
Chromium (trivalent)	5	mg/kg	89	-	54
Cyanide (total)	5	mg/kg	< 5	-	< 5

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
SA Waste Screen			
Organochlorine Pesticides	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)			
SA Waste Metals : Metals M14SA	Melbourne	Jun 13, 2025	28 Days
- Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Volatile Organics	Melbourne	Jun 13, 2025	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)			
Polycyclic Aromatic Hydrocarbons	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Polychlorinated Biphenyls	Melbourne	Jun 13, 2025	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8082)			
Phenols (Halogenated)	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Chromium (hexavalent)	Melbourne	Jun 13, 2025	28 Days
- Method: LTM-INO-4100 Hexavalent Chromium by Spectrometric detection			
Cyanide (total)	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-INO-4020 Total Free WAD Cyanide by CFA			
Suite B14: OCP/OPP			
Organophosphorus Pesticides	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)			
% Moisture	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			
NEPM Metals : Metals M15 (ex HexCr)	Melbourne	Jun 13, 2025	28 Days
- Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)			
Synthetic Pyrethroids*	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2170 Synthetic Pyrethroids by HPLC-UV			
NEPM Screen for Soil Classification			
Heavy Metals	Melbourne	Jun 13, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Clay	Melbourne	Jun 16, 2025	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Melbourne	Jun 13, 2025	7 Days
- Method: LTM-INO-4030 Conductivity			
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Melbourne	Jun 13, 2025	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Melbourne	Jun 19, 2025	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Cation Exchange Capacity	Melbourne	Jun 18, 2025	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
BTEX	Melbourne	Jun 13, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			



web: www.eurofins.com.au

email: EnviroSales@eurofinsanz.com

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

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

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rourke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402

Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Project Name: South Barossa Winery & Tourist Accomodation Soil Ass
Project ID: 241606A-01

Order No.:
Report #: 1232223
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 13, 2025 12:34 PM
Due: Jun 20, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Synthetic Pyrethroids*	Suite B14: OCP/OPP	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	BTEXN and Volatile TRH	NEPM Metals : Metals M15 (ex HexC)	NEPM 2013 Metals without Cr6+ (As, Be, B, Cd, Co, Cr, Cu, Hg, Pb, Ni, Mn, Se, Zn)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X	X
External Laboratory							X								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID										
1	BH01-01	Jun 11, 2025		Soil	M25-Jn0036436				X	X					
2	BH01-02	Jun 11, 2025		Soil	M25-Jn0036437					X				X	
3	BH02-01	Jun 11, 2025		Soil	M25-Jn0036438			X		X				X	
4	BH02-02	Jun 11, 2025		Soil	M25-Jn0036439					X		X			
5	BH03-01	Jun 11, 2025		Soil	M25-Jn0036440			X		X					
6	BH03-02	Jun 11, 2025		Soil	M25-Jn0036441					X				X	
7	BH04-01	Jun 11, 2025		Soil	M25-Jn0036442				X	X					
8	BH04-09	Jun 11, 2025		Soil	M25-Jn0036443				X	X					
9	BH05-02	Jun 11, 2025		Soil	M25-Jn0036444					X				X	
10	BH05-04	Jun 11, 2025		Soil	M25-Jn0036445					X	X				
11	BH06-01	Jun 11, 2025		Soil	M25-Jn0036446				X	X					
12	BH06-02	Jun 11, 2025		Soil	M25-Jn0036447					X		X			
13	BH06-05	Jun 11, 2025		Soil	M25-Jn0036448					X				X	
14	BH06-10	Jun 11, 2025		Soil	M25-Jn0036449					X				X	

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rourke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Project Name: South Barossa Winery & Tourist Accomodation Soil Ass
Project ID: 241606A-01

Order No.:
Report #: 1232223
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 13, 2025 12:34 PM
Due: Jun 20, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Synthetic Pyrethroids*	Suite B14: OCP/OPP	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	BTEXN and Volatile TRH	NEPM Metals : Metals M15 (ex HexC)	NEPM 2013 Metals without Cr6+ (As, Be, B, Cd, Co, Cr, Cu, Hg, Pb, Ni, Mn, Se, Zn)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X	X
15	BH07-01	Jun 11, 2025		Soil	M25-Jn0036450			X		X					
16	BH07-03	Jun 11, 2025		Soil	M25-Jn0036451					X		X			
17	BH08-04	Jun 11, 2025		Soil	M25-Jn0036452					X		X			
18	BH09-01	Jun 11, 2025		Soil	M25-Jn0036453					X				X	
19	BH09-06	Jun 11, 2025		Soil	M25-Jn0036454					X		X			
20	RINSE-01	Jun 11, 2025		Water	M25-Jn0036455										X
21	TB01	Jun 11, 2025		Water	M25-Jn0036456								X		
22	BH01-03	Jun 11, 2025		Soil	M25-Jn0036457	X									
23	BH01-04	Jun 11, 2025		Soil	M25-Jn0036458	X									
24	BH01-05	Jun 11, 2025		Soil	M25-Jn0036459	X									
25	BH01-06	Jun 11, 2025		Soil	M25-Jn0036460	X									
26	BH02-03	Jun 11, 2025		Soil	M25-Jn0036461	X									
27	BH02-04	Jun 11, 2025		Soil	M25-Jn0036462	X									
28	BH02-05	Jun 11, 2025		Soil	M25-Jn0036463	X									
29	BH03-03	Jun 11, 2025		Soil	M25-Jn0036464	X									
30	BH03-04	Jun 11, 2025		Soil	M25-Jn0036465	X									
31	BH03-05	Jun 11, 2025		Soil	M25-Jn0036466	X									



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rourke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Order No.:
Report #: 1232223
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 13, 2025 12:34 PM
Due: Jun 20, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Project Name: South Barossa Winery & Tourist Accomodation Soil Ass
Project ID: 241606A-01

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Synthetic Pyrethroids*	Suite B14: OCP/OPP	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	BTEXN and Volatile TRH	NEPM Metals : Metals M15 (ex HexC)	NEPM 2013 Metals without Cr6+ (As, Be, B, Cd, Co, Cr, Cu, Hg, Pb, Ni, Mn, Se, Zn)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X	X
32	BH04-02	Jun 11, 2025		Soil	M25-Jn0036467	X									
33	BH04-03	Jun 11, 2025		Soil	M25-Jn0036468	X									
34	BH04-04	Jun 11, 2025		Soil	M25-Jn0036469	X									
35	BH04-05	Jun 11, 2025		Soil	M25-Jn0036470	X									
36	BH04-06	Jun 11, 2025		Soil	M25-Jn0036471	X									
37	BH04-07	Jun 11, 2025		Soil	M25-Jn0036472	X									
38	BH04-08	Jun 11, 2025		Soil	M25-Jn0036473	X									
39	BH04-10	Jun 11, 2025		Soil	M25-Jn0036474		X								
40	BH05-01	Jun 11, 2025		Soil	M25-Jn0036475	X									
41	BH05-03	Jun 11, 2025		Soil	M25-Jn0036476	X									
42	BH05-05	Jun 11, 2025		Soil	M25-Jn0036477	X									
43	BH05-06	Jun 11, 2025		Soil	M25-Jn0036478	X									
44	BH05-07	Jun 11, 2025		Soil	M25-Jn0036479	X									
45	BH05-08	Jun 11, 2025		Soil	M25-Jn0036480	X									
46	BH05-09	Jun 11, 2025		Soil	M25-Jn0036481	X									
47	BH06-03	Jun 11, 2025		Soil	M25-Jn0036482	X									
48	BH06-04	Jun 11, 2025		Soil	M25-Jn0036483	X									



web: www.eurofins.com.au

email: EnviroSales@eurofinsanz.com

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
+61 3 8564 5000
NATA# 1261
Site# 25403

Sydney
179 Magowar Road
Girraween
NSW 2145
+61 2 9900 8400
NATA# 1261
Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
+61 2 6113 8091
NATA# 1261
Site# 25466

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
+61 7 3902 4600
NATA# 1261
Site# 20794 & 2780

Newcastle
1/2 Frost Drive
Mayfield West
NSW 2304
+61 2 4968 8448
NATA# 1261
Site# 25079

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

Auckland
35 O'Rourke Road
Penrose
Auckland 1061
+64 9 526 4551
IANZ# 1327

Auckland (Focus)
Unit C1/4 Pacific Rise
Mount Wellington
Auckland 1061
+64 9 525 0568
IANZ# 1308

Christchurch
43 Detroit Drive
Rolleston
Christchurch 7675
+64 3 343 5201
IANZ# 1290

Tauranga
1277 Cameron Road
Gate Pa
Tauranga 3112
+64 9 525 0568
IANZ# 1402

Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Project Name: South Barossa Winery & Tourist Accomodation Soil Ass
Project ID: 241606A-01

Order No.:
Report #: 1232223
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 13, 2025 12:34 PM
Due: Jun 20, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail

Melbourne Laboratory - NATA # 1261 Site # 1254

						HOLD*	Split - External Lab*	Synthetic Pyrethroids*	Suite B14: OCP/OPP	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	BTEXN and Volatile TRH	NEPM Metals : Metals M15 (ex HexC)	NEPM 2013 Metals without Cr6+ (As, Be, B, Cd, Co, Cr, Cu, Hg, Pb, Ni, Mn, Se, Zn)
						X		X	X	X	X	X	X	X	X
49	BH06-06	Jun 11, 2025		Soil	M25-Jn0036484	X									
50	BH06-07	Jun 11, 2025		Soil	M25-Jn0036485	X									
51	BH06-08	Jun 11, 2025		Soil	M25-Jn0036486	X									
52	BH06-09	Jun 11, 2025		Soil	M25-Jn0036487	X									
53	BH07-02	Jun 11, 2025		Soil	M25-Jn0036488	X									
54	BH07-04	Jun 11, 2025		Soil	M25-Jn0036489	X									
55	BH07-05	Jun 11, 2025		Soil	M25-Jn0036490	X									
56	BH07-06	Jun 11, 2025		Soil	M25-Jn0036491	X									
57	BH07-07	Jun 11, 2025		Soil	M25-Jn0036492	X									
58	BH07-08	Jun 11, 2025		Soil	M25-Jn0036493	X									
59	BH08-01	Jun 11, 2025		Soil	M25-Jn0036494	X									
60	BH08-02	Jun 11, 2025		Soil	M25-Jn0036495	X									
61	BH08-03	Jun 11, 2025		Soil	M25-Jn0036496	X									
62	BH08-05	Jun 11, 2025		Soil	M25-Jn0036497	X									
63	BH09-02	Jun 11, 2025		Soil	M25-Jn0036498	X									
64	BH09-03	Jun 11, 2025		Soil	M25-Jn0036499	X									
65	BH09-04	Jun 11, 2025		Soil	M25-Jn0036500	X									



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Address: 184 Magill Road
Norwood
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Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X	X
66	BH09-05	Jun 11, 2025		Soil	M25-Jn0036501	X									
67	BH09-07	Jun 11, 2025		Soil	M25-Jn0036502	X									
68	BH09-08	Jun 11, 2025		Soil	M25-Jn0036503	X									
69	BH09-09	Jun 11, 2025		Soil	M25-Jn0036504	X									
70	BH09-10	Jun 11, 2025		Soil	M25-Jn0036505	X									
71	BH06-11	Jun 11, 2025		Soil	M25-Jn0036506		X								
Test Counts						48	2	3	4	19	1	5	1	7	1

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

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

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4,4'-DDD	mg/kg	< 0.05			0.05	Pass	
4,4'-DDE	mg/kg	< 0.05			0.05	Pass	
4,4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfthion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Volatile Organics							
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4,5-Trichlorophenol	mg/kg	< 1			1	Pass	
2,4,6-Trichlorophenol	mg/kg	< 1			1	Pass	
2,6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4,6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1.0	Pass	
2,4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Chromium (hexavalent)	mg/kg	< 1			1	Pass	
Cyanide (total)	mg/kg	< 5			5	Pass	
Method Blank							
% Clay	%	< 2.5			2.5	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Chromium (hexavalent)	mg/kg	< 1			1	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Barium	mg/kg	< 10			10	Pass	
Beryllium	mg/kg	< 2			2	Pass	
Boron	mg/kg	< 10			10	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Cobalt	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Manganese	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Selenium	mg/kg	< 2			2	Pass	
Silver	mg/kg	< 2			2	Pass	
Vanadium	mg/kg	< 10			10	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Synthetic Pyrethroids*							
Allethrin*	mg/kg	< 2			2	Pass	
Cyfluthrin*	mg/kg	< 2			2	Pass	
Cypermethrin (total)*	mg/kg	< 2			2	Pass	
Fenvalerate*	mg/kg	< 2			2	Pass	
Permethrin	mg/kg	< 2			2	Pass	
Phenothrin*	mg/kg	< 2			2	Pass	
Resmethrin*	mg/kg	< 2			2	Pass	
Tetramethrin*	mg/kg	< 2			2	Pass	
Method Blank							
Chromium (hexavalent)	mg/kg	< 1			1	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	113			70-130	Pass	
4.4'-DDD	%	95			70-130	Pass	
4.4'-DDE	%	106			70-130	Pass	
4.4'-DDT	%	79			70-130	Pass	
a-HCH	%	89			70-130	Pass	
Aldrin	%	98			70-130	Pass	
b-HCH	%	101			70-130	Pass	
d-HCH	%	115			70-130	Pass	
Dieldrin	%	125			70-130	Pass	
Endosulfan I	%	89			70-130	Pass	
Endosulfan II	%	99			70-130	Pass	
Endosulfan sulphate	%	102			70-130	Pass	
Endrin	%	105			70-130	Pass	
Endrin aldehyde	%	85			70-130	Pass	
Endrin ketone	%	89			70-130	Pass	
g-HCH (Lindane)	%	106			70-130	Pass	
Heptachlor	%	123			70-130	Pass	
Heptachlor epoxide	%	123			70-130	Pass	
Hexachlorobenzene	%	116			70-130	Pass	
Methoxychlor	%	74			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	108			70-130	Pass	
Dimethoate	%	99			70-130	Pass	
Ethion	%	107			70-130	Pass	
Fenitrothion	%	82			70-130	Pass	
Methyl parathion	%	94			70-130	Pass	
Mevinphos	%	85			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	101			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
TRH C10-C14	%	82			70-130	Pass	
TRH C6-C10	%	99			70-130	Pass	
TRH >C10-C16	%	81			70-130	Pass	
Naphthalene	%	74			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	77			70-130	Pass	
Toluene	%	88			70-130	Pass	
Ethylbenzene	%	93			70-130	Pass	
m&p-Xylenes	%	99			70-130	Pass	
Xylenes - Total*	%	100			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	89			70-130	Pass	
Acenaphthylene	%	91			70-130	Pass	
Anthracene	%	101			70-130	Pass	
Benz(a)anthracene	%	113			70-130	Pass	
Benzo(a)pyrene	%	93			70-130	Pass	
Benzo(b&j)fluoranthene	%	94			70-130	Pass	
Benzo(g,h,i)perylene	%	91			70-130	Pass	
Benzo(k)fluoranthene	%	92			70-130	Pass	
Chrysene	%	103			70-130	Pass	
Dibenz(a,h)anthracene	%	93			70-130	Pass	
Fluoranthene	%	107			70-130	Pass	
Fluorene	%	108			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	85			70-130	Pass	
Naphthalene	%	91			70-130	Pass	
Phenanthrene	%	120			70-130	Pass	
Pyrene	%	110			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	86			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	87			25-140	Pass	
2,4-Dichlorophenol	%	117			25-140	Pass	
2,4,5-Trichlorophenol	%	115			25-140	Pass	
2,4,6-Trichlorophenol	%	88			25-140	Pass	
2,6-Dichlorophenol	%	121			25-140	Pass	
4-Chloro-3-methylphenol	%	116			25-140	Pass	
Pentachlorophenol	%	93			25-140	Pass	
Tetrachlorophenols - Total	%	100			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	%	43			25-140	Pass	
2-Methyl-4,6-dinitrophenol	%	41			25-140	Pass	
2-Nitrophenol	%	112			25-140	Pass	
2,4-Dimethylphenol	%	96			25-140	Pass	
2,4-Dinitrophenol	%	75			25-140	Pass	
2-Methylphenol (o-Cresol)	%	101			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	128			25-140	Pass	
4-Nitrophenol	%	97			25-140	Pass	
Dinoseb	%	69			25-140	Pass	
Phenol	%	124			25-140	Pass	
LCS - % Recovery							

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chromium (hexavalent)			%	84			70-130	Pass	
Cyanide (total)			%	87			70-130	Pass	
LCS - % Recovery									
% Clay			%	118			70-130	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)			%	101			70-130	Pass	
LCS - % Recovery									
Total Recoverable Hydrocarbons									
TRH C10-C14			%	77			70-130	Pass	
TRH >C10-C16			%	78			70-130	Pass	
LCS - % Recovery									
Chromium (hexavalent)			%	83			70-130	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	98			80-120	Pass	
Barium			%	118			80-120	Pass	
Beryllium			%	112			80-120	Pass	
Boron			%	117			80-120	Pass	
Cadmium			%	116			80-120	Pass	
Chromium			%	100			80-120	Pass	
Cobalt			%	104			80-120	Pass	
Copper			%	99			80-120	Pass	
Iron			%	98			80-120	Pass	
Lead			%	100			80-120	Pass	
Manganese			%	116			80-120	Pass	
Mercury			%	106			80-120	Pass	
Nickel			%	115			80-120	Pass	
Selenium			%	116			80-120	Pass	
Silver			%	113			80-120	Pass	
Vanadium			%	98			80-120	Pass	
Zinc			%	115			80-120	Pass	
LCS - % Recovery									
Chromium (hexavalent)			%	72			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M25-Jn0009502	NCP	%	97			70-130	Pass	
4,4'-DDD	M25-Jn0009502	NCP	%	116			70-130	Pass	
4,4'-DDE	M25-Jn0009502	NCP	%	73			70-130	Pass	
4,4'-DDT	M25-Jn0009502	NCP	%	72			70-130	Pass	
a-HCH	M25-Jn0009502	NCP	%	89			70-130	Pass	
Aldrin	M25-Jn0009502	NCP	%	96			70-130	Pass	
b-HCH	M25-Jn0009502	NCP	%	101			70-130	Pass	
d-HCH	M25-Jn0009502	NCP	%	98			70-130	Pass	
Dieldrin	M25-Jn0009502	NCP	%	97			70-130	Pass	
Endosulfan I	M25-Jn0009502	NCP	%	106			70-130	Pass	
Endosulfan II	M25-Jn0009502	NCP	%	95			70-130	Pass	
Endosulfan sulphate	M25-Jn0009502	NCP	%	78			70-130	Pass	
Endrin	M25-Jn0009502	NCP	%	111			70-130	Pass	
Endrin aldehyde	M25-Jn0009502	NCP	%	118			70-130	Pass	
Endrin ketone	M25-Jn0009502	NCP	%	100			70-130	Pass	
g-HCH (Lindane)	M25-Jn0009502	NCP	%	81			70-130	Pass	
Heptachlor	M25-Jn0009502	NCP	%	98			70-130	Pass	
Heptachlor epoxide	M25-Jn0009502	NCP	%	111			70-130	Pass	
Hexachlorobenzene	M25-Jn0009502	NCP	%	93			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Methoxychlor	M25-Jn0009502	NCP	%	102			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M25-Jn0036436	CP	%	90			70-130	Pass	
Dimethoate	M25-Jn0036436	CP	%	86			70-130	Pass	
Ethion	M25-Jn0036436	CP	%	114			70-130	Pass	
Fenitrothion	M25-Jn0036436	CP	%	95			70-130	Pass	
Methyl parathion	M25-Jn0036436	CP	%	93			70-130	Pass	
Mevinphos	M25-Jn0036436	CP	%	95			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Barium	M25-Jn0037802	NCP	%	91			75-125	Pass	
Chromium	M25-Jn0037802	NCP	%	114			75-125	Pass	
Cobalt	M25-Jn0037802	NCP	%	119			75-125	Pass	
Manganese	M25-Jn0037721	NCP	%	117			75-125	Pass	
Vanadium	M25-Jn0037802	NCP	%	124			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M25-Jn0049605	NCP	%	99			70-130	Pass	
TRH C10-C14	M25-Jn0046389	NCP	%	72			70-130	Pass	
TRH C6-C10	M25-Jn0049605	NCP	%	96			70-130	Pass	
TRH >C10-C16	M25-Jn0046389	NCP	%	75			70-130	Pass	
Naphthalene	M25-Jn0049605	NCP	%	82			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M25-Jn0049605	NCP	%	74			70-130	Pass	
Toluene	M25-Jn0049605	NCP	%	84			70-130	Pass	
Ethylbenzene	M25-Jn0049605	NCP	%	88			70-130	Pass	
m&p-Xylenes	M25-Jn0049605	NCP	%	94			70-130	Pass	
o-Xylene	M25-Jn0049605	NCP	%	95			70-130	Pass	
Xylenes - Total*	M25-Jn0049605	NCP	%	94			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M25-Jn0019288	NCP	%	88			70-130	Pass	
Acenaphthylene	M25-Jn0019288	NCP	%	111			70-130	Pass	
Anthracene	M25-Jn0019288	NCP	%	72			70-130	Pass	
Benz(a)anthracene	M25-Jn0019288	NCP	%	96			70-130	Pass	
Benzo(a)pyrene	M25-Jn0019288	NCP	%	110			70-130	Pass	
Benzo(b&j)fluoranthene	M25-Jn0019288	NCP	%	88			70-130	Pass	
Benzo(g,h,i)perylene	M25-Jn0019288	NCP	%	74			70-130	Pass	
Benzo(k)fluoranthene	M25-Jn0019288	NCP	%	105			70-130	Pass	
Chrysene	M25-Jn0019288	NCP	%	119			70-130	Pass	
Dibenz(a,h)anthracene	M25-Jn0019288	NCP	%	77			70-130	Pass	
Fluoranthene	M25-Jn0019288	NCP	%	78			70-130	Pass	
Fluorene	M25-Jn0019288	NCP	%	90			70-130	Pass	
Indeno(1,2,3-cd)pyrene	M25-Jn0019288	NCP	%	74			70-130	Pass	
Naphthalene	M25-Jn0019288	NCP	%	97			70-130	Pass	
Phenanthrene	M25-Jn0019288	NCP	%	85			70-130	Pass	
Pyrene	M25-Jn0019288	NCP	%	78			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	M25-Jn0034233	NCP	%	10			70-130	Fail	Q08
Aroclor-1260	M25-Jn0034233	NCP	%	112			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Phenols (Halogenated)				Result 1					
2-Chlorophenol	M25-Jn0019288	NCP	%	87			30-130	Pass	
2,4-Dichlorophenol	M25-Jn0019288	NCP	%	85			30-130	Pass	
2,4,5-Trichlorophenol	M25-Jn0019288	NCP	%	102			30-130	Pass	
2,4,6-Trichlorophenol	M25-Jn0019288	NCP	%	93			30-130	Pass	
2,6-Dichlorophenol	M25-Jn0019288	NCP	%	89			30-130	Pass	
4-Chloro-3-methylphenol	M25-Jn0019288	NCP	%	72			30-130	Pass	
Tetrachlorophenols - Total	M25-Jn0019288	NCP	%	68			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4,6-dinitrophenol	M25-Jn0019288	NCP	%	94			30-130	Pass	
2-Methyl-4,6-dinitrophenol	M25-Jn0019288	NCP	%	59			30-130	Pass	
2-Nitrophenol	M25-Jn0019288	NCP	%	97			30-130	Pass	
2,4-Dimethylphenol	M25-Jn0019288	NCP	%	85			30-130	Pass	
2,4-Dinitrophenol	M25-Jn0019288	NCP	%	36			30-130	Pass	
2-Methylphenol (o-Cresol)	M25-Jn0019288	NCP	%	71			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M25-Jn0019288	NCP	%	70			30-130	Pass	
4-Nitrophenol	M25-Jn0019288	NCP	%	79			30-130	Pass	
Dinoseb	M25-Jn0019288	NCP	%	72			30-130	Pass	
Phenol	M25-Jn0019288	NCP	%	69			30-130	Pass	
Spike - % Recovery									
				Result 1					
Chromium (hexavalent)	M25-Jn0036439	CP	%	90			70-130	Pass	
Cyanide (total)	M25-Jn0033407	NCP	%	89			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Iron	M25-Jn0035294	NCP	%	82			75-125	Pass	
Spike - % Recovery									
				Result 1					
Chromium (hexavalent)	M25-Jn0036447	CP	%	99			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M25-Jn0036452	CP	%	109			75-125	Pass	
Beryllium	M25-Jn0036452	CP	%	109			75-125	Pass	
Boron	M25-Jn0036452	CP	%	102			75-125	Pass	
Cadmium	M25-Jn0036452	CP	%	122			75-125	Pass	
Copper	M25-Jn0036452	CP	%	125			75-125	Pass	
Lead	M25-Jn0036452	CP	%	104			75-125	Pass	
Mercury	M25-Jn0036452	CP	%	113			75-125	Pass	
Nickel	M25-Jn0036452	CP	%	120			75-125	Pass	
Selenium	M25-Jn0036452	CP	%	98			75-125	Pass	
Silver	M25-Jn0036452	CP	%	117			75-125	Pass	
Zinc	M25-Jn0036452	CP	%	120			75-125	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M25-Jn0036439	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4,4'-DDD	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4,4'-DDE	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4,4'-DDT	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M25-Jn0036439	CP	ma/ka	< 0.05	< 0.05	<1	30%	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Dieldrin	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M25-Jn0036439	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M25-Jn0036439	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	M25-Jn0036439	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfotthion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	M25-Jn0036439	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	M25-Jn0036439	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Iron	M25-Jn0037802	NCP	mg/kg	39000	40000	1.0	30%	Pass	

Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C10-C14	M25-Jn0035264	NCP	mg/kg	< 20	< 20	<1	30%	Pass
TRH C15-C28	M25-Jn0035264	NCP	mg/kg	< 50	< 50	<1	30%	Pass
TRH C29-C36	M25-Jn0035264	NCP	mg/kg	< 50	< 50	<1	30%	Pass
TRH >C10-C16	M25-Jn0035264	NCP	mg/kg	< 50	< 50	<1	30%	Pass
TRH >C16-C34	M25-Jn0035264	NCP	mg/kg	< 100	< 100	<1	30%	Pass
TRH >C34-C40	M25-Jn0035264	NCP	mg/kg	< 100	< 100	<1	30%	Pass
Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Acenaphthylene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Anthracene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benz(a)anthracene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(a)pyrene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(b&j)fluoranthene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(g,h,i)perylene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Total PCB*	M25-Jn0035264	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	M25-Jn0035264	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	M25-Jn0035264	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	M25-Jn0035264	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	M25-Jn0035264	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	M25-Jn0035264	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Tetrachlorophenols - Total	M25-Jn0035264	NCP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	M25-Jn0036439	CP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	M25-Jn0036439	CP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	M25-Jn0036439	CP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	M25-Jn0036439	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	M25-Jn0036439	CP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	M25-Jn0036439	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	M25-Jn0036439	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
4-Nitrophenol	M25-Jn0036439	CP	mg/kg	< 5	< 5	<1	30%	Pass

Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
Dinoseb	M25-Jn0036439	CP	mg/kg	< 20	< 20	<1	30%	Pass
Phenol	M25-Jn0036439	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Chromium (hexavalent)	B25-Jn0034638	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Cyanide (total)	M25-Jn0033988	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M25-Jn0036443	CP	%	12	14	17	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Conductivity (1:5 aqueous extract at 25 °C as rec.)	M25-Jn0037778	NCP	uS/cm	94	180	24	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Iron (%)	M25-Jn0042002	NCP	%	8.3	8.7	4.0	30%	Pass
Duplicate								
Cation Exchange Capacity				Result 1	Result 2	RPD		
Cation Exchange Capacity	B25-Jn0029860	NCP	meq/100g	7.7	6.1	23	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M25-Jn0036452	CP	mg/kg	2.2	2.1	8.0	30%	Pass
Barium	M25-Jn0036452	CP	mg/kg	320	320	<1	30%	Pass
Beryllium	M25-Jn0036452	CP	mg/kg	< 2	< 2	<1	30%	Pass
Boron	M25-Jn0036452	CP	mg/kg	< 10	< 10	<1	30%	Pass
Cadmium	M25-Jn0036452	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M25-Jn0036452	CP	mg/kg	89	89	<1	30%	Pass
Cobalt	M25-Jn0036452	CP	mg/kg	22	22	1.0	30%	Pass
Copper	M25-Jn0036452	CP	mg/kg	43	42	1.0	30%	Pass
Lead	M25-Jn0036452	CP	mg/kg	12	12	<1	30%	Pass
Manganese	M25-Jn0036452	CP	mg/kg	730	730	1.0	30%	Pass
Mercury	M25-Jn0036452	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M25-Jn0036452	CP	mg/kg	42	42	1.0	30%	Pass
Selenium	M25-Jn0036452	CP	mg/kg	< 2	< 2	<1	30%	Pass
Silver	M25-Jn0036452	CP	mg/kg	< 2	< 2	<1	30%	Pass
Vanadium	M25-Jn0036452	CP	mg/kg	150	150	<1	30%	Pass
Zinc	M25-Jn0036452	CP	mg/kg	41	40	1.0	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C6-C9	M25-Jn0036452	CP	mg/kg	< 20	< 20	<1	30%	Pass
TRH C6-C10	M25-Jn0036452	CP	mg/kg	< 20	< 20	<1	30%	Pass
Naphthalene	M25-Jn0036452	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
BTEX				Result 1	Result 2	RPD		
Benzene	M25-Jn0036452	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Toluene	M25-Jn0036452	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Ethylbenzene	M25-Jn0036452	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
m&p-Xylenes	M25-Jn0036452	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
o-Xylene	M25-Jn0036452	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Xylenes - Total*	M25-Jn0036452	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass
Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Tetrachloroethene	M25-Jn0036452	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass

Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M25-Jn0036453	CP	%	14	13	8.0	30%	Pass

Comments

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.

Authorised by:

Karl Bulow	Analytical Services Manager
Carroll Lee	Senior Analyst-Organic
Emily Rosenberg	Senior Analyst-Metal
Harry Bacalis	Senior Analyst-Volatile
Joseph Edouard	Senior Analyst-Organic
Joseph Edouard	Senior Analyst-Volatile
Luke Holt	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Sheha Prakash	Senior Analyst-Organic



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please [click here](#).

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Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

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

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402

Sample Receipt Advice

Company name: LBW co Pty Ltd
Contact name: Stuart Taylor
Project name: South Barossa Winery & Tourist Accomodation Soil Ass
Project ID: 241606A-01
Turnaround time: 5 Day
Date/Time received: Jun 13, 2025 12:34 PM
Eurofins reference: 1232223

Sample Information

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

Notes

BH04-10 listed twice on COC.

Contact

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

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Stuart Taylor - stuart.taylor@lbwco.com.au.

Note: A copy of these results will also be delivered to the general LBW co Pty Ltd email address.



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

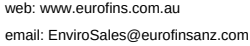
Project Name: South Barossa Winery & Tourist Accomodation Soil Ass
Project ID: 241606A-01

Order No.:
Report #: 1232223
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 13, 2025 12:34 PM
Due: Jun 20, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Synthetic Pyrethroids*	Suite B14: OCP/OPP	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	BTEXN and Volatile TRH	NEPM Metals : Metals M15 (ex HexC)	NEPM 2013 Metals without Cr6+ (As, Be, B, Cd, Co, Cr, Cu, Hg, Pb, Ni, Mn, Se, Zn)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X	X
External Laboratory							X								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID										
1	BH01-01	Jun 11, 2025		Soil	M25-Jn0036436				X	X					
2	BH01-02	Jun 11, 2025		Soil	M25-Jn0036437					X				X	
3	BH02-01	Jun 11, 2025		Soil	M25-Jn0036438			X		X				X	
4	BH02-02	Jun 11, 2025		Soil	M25-Jn0036439					X		X			
5	BH03-01	Jun 11, 2025		Soil	M25-Jn0036440			X		X					
6	BH03-02	Jun 11, 2025		Soil	M25-Jn0036441					X				X	
7	BH04-01	Jun 11, 2025		Soil	M25-Jn0036442				X	X					
8	BH04-09	Jun 11, 2025		Soil	M25-Jn0036443				X	X					
9	BH05-02	Jun 11, 2025		Soil	M25-Jn0036444					X				X	
10	BH05-04	Jun 11, 2025		Soil	M25-Jn0036445					X	X				
11	BH06-01	Jun 11, 2025		Soil	M25-Jn0036446				X	X					
12	BH06-02	Jun 11, 2025		Soil	M25-Jn0036447					X		X			
13	BH06-05	Jun 11, 2025		Soil	M25-Jn0036448					X				X	
14	BH06-10	Jun 11, 2025		Soil	M25-Jn0036449					X				X	



ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

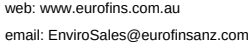
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise	43 Detroit Drive	1277 Cameron Road
Penrose	Mount Wellington	Rolliston	Gate Pa
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

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[illegible]



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Contact Name: Stuart Taylor

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[illegible]



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

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402

Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Project Name: South Barossa Winery & Tourist Accomodation Soil Ass
Project ID: 241606A-01

Order No.:
Report #: 1232223
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 13, 2025 12:34 PM
Due: Jun 20, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Synthetic Pyrethroids*	Suite B14: OCP/OPP	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	BTEXN and Volatile TRH	NEPM Metals : Metals M15 (ex HexCr)	NEPM 2013 Metals without Cr6+ (As, Be, B, Cd, Co, Cr, Cu, Hg, Pb, Ni, Mn, Se, Zn)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X	X
66	BH09-05	Jun 11, 2025		Soil	M25-Jn0036501	X									
67	BH09-07	Jun 11, 2025		Soil	M25-Jn0036502	X									
68	BH09-08	Jun 11, 2025		Soil	M25-Jn0036503	X									
69	BH09-09	Jun 11, 2025		Soil	M25-Jn0036504	X									
70	BH09-10	Jun 11, 2025		Soil	M25-Jn0036505	X									
71	BH06-11	Jun 11, 2025		Soil	M25-Jn0036506		X								
Test Counts						48	2	3	4	19	1	5	1	7	1

LABORATORY TESTING ORDER

Project Title : South Barossa Winery & Tourist Accommodation Soil Ass

Job Number : 241606A-01

Project Manager: Stuart Taylor

Email: stuart.taylor@lbwco.com.au

Phone: 08 8331 2417

Results to: results@lbwco.com.au, esdat@lbwco.com.au, esdat@lbwco.com.au

Invoice to: finance@lbwco.com.au

Primary Laboratory: Eurofins

Laboratory Quote Ref: Pricebook 2023

Secondary Laboratory: EnviroLab

Laboratory Quote Ref: LBWco Price List 2023

LBW co's COC REFERENCE (sample delivery group)

241606A-01_COC_20250612

Turnaround Required

Standard 5 Day

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED																
Date Sampled	Sample ID	Sample Matrix	Additional Information / Comments	B14 (OCP+OPP)	Synthetic pyrethroids	M15A	R21 (NEPM EIL Soil Class)	R7 SA EPA Waste Fill Screen	EnviroLab E09500 (OCP+OPP)	EnviroLab E09220 (Synthetic pyrethroids)	EnviroLab E02750 (17 Metals)	Rinse - Metals T3	Trip Blank - TRH (C6-C10)	HOLD						
11-Jun-25	BH01-01	Soil		X																
11-Jun-25	BH01-02	Soil				X														
11-Jun-25	BH01-03	Soil																		
11-Jun-25	BH04-10	Soil												X						
11-Jun-25	BH01-05	Soil												X						
11-Jun-25	BH01-06	Soil												X						
11-Jun-25	BH02-01	Soil			X	X								X						
11-Jun-25	BH02-02	Soil						X												
11-Jun-25	BH02-03	Soil																		
11-Jun-25	BH02-04	Soil												X						
11-Jun-25	BH02-05	Soil												X						
11-Jun-25	BH03-01	Soil			X									X						
11-Jun-25	BH03-02	Soil				X														
11-Jun-25	BH03-03	Soil																		
11-Jun-25	BH03-04	Soil												X						
11-Jun-25	BH03-05	Soil												X						
11-Jun-25	BH04-01	Soil		X										X						
11-Jun-25	BH04-02	Soil																		
11-Jun-25	BH04-03	Soil												X						
11-Jun-25	BH04-04	Soil												X						
11-Jun-25	BH04-05	Soil												X						
11-Jun-25	BH04-06	Soil												X						
LBW co AUTHORIZATION				LABORATORY RECEIPT																
Requested by: Gaetano Garfi				Received by:				Additional Comments												
Date \ time requested: 13-Jun-25 12 : 0				Date \ time received:				Please forward BH04-10 and BH06-11 to EnviroLab for testing												
Signature:				Signature:																

LABORATORY TESTING ORDER

Project Title : South Barossa Winery & Tourist Accommodation Soil Ass
Job Number : 241606A-01
Project Manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 08 8331 2417
Results to: results@lbwco.com.au, esdat@lbwco.com.au
Invoice to: finance@lbwco.com.au

Primary Laboratory: Eurofins
Laboratory Quote Ref: Pricebook 2023
Secondary Laboratory: Envirolab
Laboratory Quote Ref: LBWco Price List 2023

LBW co's COC REFERENCE (sample delivery group)
241606A-01_COC_20250612

Turnaround Required
Standard 5 Day

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED													
Date Sampled	Sample ID	Sample Matrix	Additional information / Comments	B14 (OCP+OPP)	Synthetic pyrethroids	M15A	R21 (NEPM EL Soil Class)	R7 SA EPA Waste Fill Screen)	Envirolab E09500 (OCP+OPP)	Envirolab E09220 (Synthetic pyrethroids)	Envirolab E02750 (17 Metals)	Rinse - Metals 13	Trip Blank - TRH (C6-C10)				HOLD
11-Jun-25	BH04-07	Soil															X
11-Jun-25	BH04-08	Soil															X
11-Jun-25	BH04-09	Soil		X													
11-Jun-25	BH04-10	Soil							X								
11-Jun-25	BH05-01	Soil															X
11-Jun-25	BH05-02	Soil				X											
11-Jun-25	BH05-03	Soil															X
11-Jun-25	BH05-04	Soil					X										
11-Jun-25	BH05-05	Soil															X
11-Jun-25	BH05-06	Soil															X
11-Jun-25	BH05-07	Soil															X
11-Jun-25	BH05-08	Soil															X
11-Jun-25	BH05-09	Soil															X
11-Jun-25	BH06-01	Soil		X													
11-Jun-25	BH06-02	Soil						X									
11-Jun-25	BH06-03	Soil															X
11-Jun-25	BH06-04	Soil															X
11-Jun-25	BH06-05	Soil				X											
11-Jun-25	BH06-06	Soil															X
11-Jun-25	BH06-07	Soil															X
11-Jun-25	BH06-08	Soil															X
11-Jun-25	BH06-09	Soil															X
LBW co AUTHORISATION		LABORATORY RECEIPT		2	0	2	1	1	1	0	0	0	0	0	0	0	13
Requested by:		Received by:		Additional Comments													
Gaetano Garfi																	
Date/time requested:		Date/time received:															
13-Jun-25 12 : 0				Please forward BH04-10 and BH06-11 to Envirolab for testing													
Signature:		Signature:															
																	

LABORATORY TESTING ORDER

Project Title : South Barossa Winery & Tourist Accommodation Soil Ass

Job Number : 241606A-01

Project Manager: Stuart Taylor

Email: stuart.taylor@lbwco.com.au

Phone: 08 8331 2417

Results to: results@lbwco.com.au, esda+lbwco@esdalabsync.net

Invoice to: finance@lbwco.com.au

Primary Laboratory: Eurofins

Laboratory Quote Ref: Pricebook 2023

Secondary Laboratory: Envirolab

Laboratory Quote Ref: LBWco Price List 2023

LBW co's COC REFERENCE (sample delivery group)

241606A-01_COC_20250612

Turnaround Required

Standard 5 Day

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED																	
Date Sampled	Sample ID	Sample Matrix	Additional Information / Comments	B14 (OCP+OPP)	Synthetic pyrethroids	M15A	R21 (NEPM EIL Soil Class)	R7 SA EPA Waste Fill Screen	Envirolab E09500 (OCP+OPP)	Envirolab E09220 (Synthetic pyrethroids)	Envirolab E02750 (17 Metals)	Rinse - Metals 13	Trip Blank - TRH (C4-C10)	HOLD							
11-Jun-25	BH06-10	Soil				X															
11-Jun-25	BH06-11	Soil									X										
11-Jun-25	BH07-01	Soil			X																
11-Jun-25	BH07-02	Soil																			
11-Jun-25	BH07-03	Soil												X							
11-Jun-25	BH07-04	Soil						X						X							
11-Jun-25	BH07-05	Soil												X							
11-Jun-25	BH07-06	Soil												X							
11-Jun-25	BH07-07	Soil												X							
11-Jun-25	BH07-08	Soil												X							
11-Jun-25	BH08-01	Soil												X							
11-Jun-25	BH08-02	Soil												X							
11-Jun-25	BH08-03	Soil												X							
11-Jun-25	BH08-04	Soil												X							
11-Jun-25	BH08-05	Soil						X						X							
11-Jun-25	BH09-01	Soil				X								X							
11-Jun-25	BH09-02	Soil												X							
11-Jun-25	BH09-03	Soil												X							
11-Jun-25	BH09-04	Soil												X							
11-Jun-25	BH09-05	Soil												X							
11-Jun-25	BH09-06	Soil						X						X							
11-Jun-25	BH09-07	Soil												X							
LBW co AUTHORISATION				LABORATORY RECEIPT				0	1	2	0	3	0	0	1	0	0	0	0	0	15
Requested by: Gaeiano Garfi				Received by:				Additional Comments Please forward BH04-10 and BH06-11 to Envirolab for testing													
Date \ time requested: 13-Jun-25 12 : 0				Date \ time received:																	
Signature: 				Signature:																	

LABORATORY TESTING ORDER

Project Title : South Barossa Winery & Tourist Accommodation Soil Ass
Job Number : 241606A-01
Project Manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 08 8331 2417
Results to: results@lbwco.com.au, esdat@lbwco.com.au, esdat@labsync.net
Invoice to: fin@lbwco.com.au

Primary Laboratory: Eurofins
Laboratory Quote Ref: Pricebook 2023
Secondary Laboratory: Envirolab
Laboratory Quote Ref: LBWco Price List 2023

LBW co's COC REFERENCE (sample delivery group)

241606A-01_COC_20250612

Turnaround Required

Standard 5 Day

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED												
Date Sampled	Sample ID	Sample Matrix	Additional Information / Comments	B14 (OCP+OPP)	Synthetic pyrethroids	M15A	R21 (NEPM EIL Soil Class)	R7 SA EPA Waste Fill Screen	Envirolab E09500 (OCP+OPP)	Envirolab E09220 (Synthetic pyrethroids)	Envirolab E02750 (17 Metals)	Rinse - Metals 13	Trip Blank - TRH (Cd-C10)		HOLD	
11-Jun-25	BH04-07	Soil													X	
11-Jun-25	BH04-08	Soil													X	
11-Jun-25	BH04-09	Soil		X												
11-Jun-25	BH04-10	Soil							X							
11-Jun-25	BH05-01	Soil													X	
11-Jun-25	BH05-02	Soil				X									X	
11-Jun-25	BH05-03	Soil														
11-Jun-25	BH05-04	Soil					X								X	
11-Jun-25	BH05-05	Soil													X	
11-Jun-25	BH05-06	Soil													X	
11-Jun-25	BH05-07	Soil													X	
11-Jun-25	BH05-08	Soil													X	
11-Jun-25	BH05-09	Soil													X	
11-Jun-25	BH06-01	Soil		X					X							
11-Jun-25	BH06-02	Soil						X							X	
11-Jun-25	BH06-03	Soil													X	
11-Jun-25	BH06-04	Soil													X	
11-Jun-25	BH06-05	Soil				X									X	
11-Jun-25	BH06-06	Soil													X	
11-Jun-25	BH06-07	Soil													X	
11-Jun-25	BH06-08	Soil													X	
11-Jun-25	BH06-09	Soil													X	
LBW co AUTHORISATION				LABORATORY RECEIPT												
Requested by:				Received by:				Additional Comments								
Gaelano Garfi								Please forward BH06-10 and BH06-11 to Envirolab for testing								
Date \time requested:				Date \time received:												
13-Jun-25 12 : 0																
Signature:				Signature:												

LABORATORY TESTING ORDER

Project Title : South Barossa Winery & Tourist Accommodation Soil Ass
Job Number : 241606A-01
Project Manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 08 8331 2417
Results to: results@lbwco.com.au, esdal+lbwco@esdalabsync.net
Invoice to: finance@lbwco.com.au

Primary Laboratory: Eurofins

Laboratory Quote Ref: Pricebook 2023

Secondary Laboratory: Envirolab

Laboratory Quote Ref: LBWco Price List 2023

LBW co's COC REFERENCE (sample delivery group)

241606A-01_COC_20250612

Turnaround Required

Standard 5 Day

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED																	
Date Sampled	Sample ID	Sample Matrix	Additional Information / Comments	B14 (OCP+OPP)	Synthetic pyrethroids	M15A	R21 (NEPM EIL Soil Class)	R7 SA EPA Waste Fill Screen	Envirolab E09500 (OCP+OPP)	Envirolab E09220 (Synthetic pyrethroids)	Envirolab E02750 (17 Metals)	Rinse - Metals 13	Trip Blank - TRH (C6-C10)				HOLD				
11-Jun-25	BH06-10	Soil				X															
11-Jun-25	BH06-11	Soil									X										
11-Jun-25	BH07-01	Soil			X																
11-Jun-25	BH07-02	Soil															X				
11-Jun-25	BH07-03	Soil						X													
11-Jun-25	BH07-04	Soil															X				
11-Jun-25	BH07-05	Soil															X				
11-Jun-25	BH07-06	Soil															X				
11-Jun-25	BH07-07	Soil															X				
11-Jun-25	BH07-08	Soil															X				
11-Jun-25	BH08-01	Soil															X				
11-Jun-25	BH08-02	Soil															X				
11-Jun-25	BH08-03	Soil															X				
11-Jun-25	BH08-04	Soil						X													
11-Jun-25	BH08-05	Soil															X				
11-Jun-25	BH09-01	Soil				X															
11-Jun-25	BH09-02	Soil															X				
11-Jun-25	BH09-03	Soil															X				
11-Jun-25	BH09-04	Soil															X				
11-Jun-25	BH09-05	Soil															X				
11-Jun-25	BH09-06	Soil						X													
11-Jun-25	BH09-07	Soil															X				
LBW co AUTHORISATION				LABORATORY RECEIPT				0	1	2	0	3	0	0	1	0	0	0	0	15	
Requested by: Gaetano Garfi				Received by:				Additional Comments Please forward BH04-10 and BH06-11 to Envirolab for testing													
Date/time requested: 13-Jun-25 12 : 0				Date/time received:																	
Signature:				Signature:																	



Re: 241606A-01_LTO_20250612

From: Karl Bulow <Karl.Bulow@eurofinsanz.com.au>
Date: Fri 13/6/25 12:40 PM
To: Gaetano Garfi <gaetano.garfi@lbwco.com.au>; SH_AU_CA0001_EnviroSampleVic <EnviroSampleVic@eurofinsanz.com>
Cc: Stuart Taylor <stuart.taylor@lbwco.com.au>

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

Thanks Gaetano!

We will get this actioned.

Kind Regards,

Karl Bulow
Analytical Services Manager

Eurofins | Environment Testing
6 Monterey Rd
Dandenong South, VIC, 3175

Mobile : 0477 574 867
Email : karl.bulow@eurofinsanz.com

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From: Gaetano Garfi <gaetano.garfi@lbwco.com.au>
Sent: Friday, June 13, 2025 12:34 PM
To: Karl Bulow <Karl.Bulow@eurofinsanz.com>; SH_AU_CA0001_EnviroSampleVic <EnviroSampleVic@eurofinsanz.com>
Cc: Stuart Taylor <stuart.taylor@lbwco.com.au>
Subject: 241606A-01_LTO_20250612

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

Good afternoon Karl,

Please see attached testing order 241606A-01_LTO_20250612.

Samples should arrive at the lab today.

We are requesting standard TA.

Any question let me know.

Thanks

Kind Regards

Gaetano Garfi
Environmental Consultant



08 8331 2417 | 0429 336 726



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SAMPLE REGISTER & CHAIN OF CUSTODY

Project Title: South Barossa Winery & Tourist Accommodation Soil Ass
Job Number: 241606A-01
Project manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 8331 2417
Send results to: results@lbwco.com.au, esdat@lbwco.com.au, esdat@lbwco.com.au
Send invoice to: finance@lbwco.com.au

Primary Lab: Eurofins
Lab Quote Ref: Pricebook 2023

Secondary lab: Envirolab
LBWco Price List 2023

COC Reference: 241606A-01_COC_20250612
(sample delivery group)

Sample Details 1		Sample Details 2		Sample Custody - Step 1	
BH01-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH01-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Relinquished by: Gaetano Garfi	
BH01-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH01-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Date/Time Relinquished: 12/06/2025	
BH01-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH01-06 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Signature: 	
BH02-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH02-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Courier and consignment number:	
BH02-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH02-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Received by: Michael Young	
BH02-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH03-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Date/Time Received: 12/6/25 1:50pm	
BH03-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH03-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Signature: 	
BH03-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH03-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Sample Custody - Step 2	
BH04-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH04-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Relinquished by: On BB	
BH04-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH04-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Date/Time Relinquished: 15.2	
				Signature: 0.0 15.28	
				Courier and consignment number:	
				Received by:	
				Date/Time Received:	
				Signature:	

SAMPLE REGISTER & CHAIN OF CUSTODY

Project Title: South Barossa Winery & Tourist Accommodation Soil Ass
Job Number: 241606A-01
Project manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 8331 2417
Send results to: results@lbwco.com.au, esdat@lbwco.com.au, esdat@labsync.net
Send invoice to: finance@lbwco.com.au

Primary Lab: Eurofins
Lab Quote Ref: Pricebook 2023

Secondary lab: Envirolab
LBWco Price List 2023

COC Reference: 241606A-01_COC_20250612
(sample delivery group)

Sample Details 1		Sample Details 2		Sample Custody - Step 1	
BH04-05 LBW Job#: 241606A-01 Matrix: Soil		BH04-06 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Relinquished by: Gaetano Garfi	
BH04-07 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH04-08 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Date/Time Relinquished: 12/06/2025	
BH04-09 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH04-10 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Signature: 	
BH05-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH05-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Courier and consignment number:	
BH05-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH05-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Received by: Michael Young	
BH05-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH05-06 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Date/Time Received: 12/6/25 1:50PM	
BH05-07 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH05-08 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Signature: 	
BH05-09 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH06-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Sample Custody - Step 2	
BH06-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH06-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Relinquished by:	
BH06-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH06-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Date/Time Relinquished:	
				Signature:	
				Courier and consignment number:	
				Received by:	
				Date/Time Received:	
				Signature:	

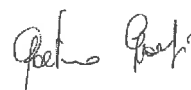
SAMPLE REGISTER & CHAIN OF CUSTODY

Project Title: South Barossa Winery & Tourist Accommodation Soil Ass
Job Number: 241606A-01
Project manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 8331 2417
Send results to: results@lbwco.com.au, esdat@lbwco.com.au
Send invoice to: finance@lbwco.com.au

Primary Lab: Eurofins
Lab Quote Ref: Pricebook 2023

Secondary lab: Envirolab
LBWco Price List 2023

COC Reference: 241606A-01_COC_20250612
(sample delivery group)

Sample Details 1	Sample Details 2	Sample Custody - Step 1
BH06-07 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH06-06 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Relinquished by: Gaetano Garfi Date/Time Relinquished: 12/06/2025
BH06-08 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH06-09 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Signature: 
BH06-10 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH06-11 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Courier and consignment number: Received by: Michael Young
BH07-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH07-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Date/Time Received: 12/6/25 1:50 PM
BH07-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH07-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Signature: 
BH07-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH07-06 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Sample Custody - Step 2 Relinquished by:
BH07-07 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH07-08 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Date/Time Relinquished: Signature:
BH08-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH08-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Courier and consignment number: Received by:
BH08-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH08-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Date/Time Received: Signature:
BH08-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	BH09-01 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025	Signature:

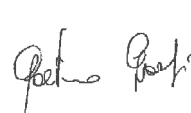
SAMPLE REGISTER & CHAIN OF CUSTODY

Project Title: South Barossa Winery & Tourist Accommodation Soil Ass
Job Number: 241606A-01
Project manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 8331 2417
Send results to: results@lbwco.com.au esdat@lbwco.com.au
Send invoice to: finance@lbwco.com.au

Primary Lab: Eurofins
Lab Quote Ref: Pricebook 2023

Secondary lab: Envirolab
LBWco Price List 2023

COC Reference: 241606A-01_COC_20250612
(sample delivery group)

Sample Details 1		Sample Details 2		Sample Custody - Step 1	
BH09-02 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH09-03 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Relinquished by: Gaetano Garfi	
BH09-04 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH09-05 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Date/Time Relinquished: 12/06/2025	
BH09-06 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH09-07 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Signature: 	
BH09-08 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		BH09-09 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Courier and consignment number: 	
BH09-10 LBW Job#: 241606A-01 Matrix: Soil Date: 11.06.2025		Rinse-01 LBW Job#: 241606A-01 Matrix: Water Date: 11.06.2025		Received by: Nathan Young	
TB-01 LBW Job#: 241606A-01 Matrix: Water Date: 11.06.2025				Date/Time Received: 12/6/25 1:50pm	
				Signature: 	
				Sample Custody - Step 2	
				Relinquished by:	
				Date/Time Relinquished:	
				Signature:	
				Courier and consignment number:	
				Received by:	
				Date/Time Received:	
				Signature:	

Certificate of Analysis MGF0248

Client Details

Client	LBW Co Pty Ltd
Contact	Stuart Taylor
Address	184 Magill Road, NORWOOD, SA, 5067

Sample Details

Your Reference	241606A-01
Number of Samples	2 Soil
Date Samples Received	16/06/2025
Date Instructions Received	16/06/2025

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for soils and on an as received basis for other matrices.

Report Details

Date Final Results Expected	23/06/2025
Date of Issue	18/06/2025

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Authorisation Details

Results Approved By	Chris De Luca, Lab Manager Maggie Hu, Organics Supervisor Tara White, Metals Supervisor
Laboratory Manager	Chris De Luca

Certificate of Analysis MGF0248

Samples in this Report

Envirolab ID	Sample ID	Matrix	Date Sampled	Date Received
MGF0248-01	BH04-10	Soil	11/06/2025	16/06/2025
MGF0248-02	BH06-11	Soil	11/06/2025	16/06/2025

Certificate of Analysis MGF0248

Organochlorine Pesticides (Soil)

Envirolab ID Your Reference Date Sampled	Units	PQL	MGF0248-01 BH04-10 11/06/2025
alpha-BHC	mg/kg	0.10	<0.10
Hexachlorobenzene	mg/kg	0.10	<0.10
beta-BHC	mg/kg	0.10	<0.10
gamma-BHC	mg/kg	0.10	<0.10
delta-BHC	mg/kg	0.10	<0.10
Heptachlor	mg/kg	0.10	<0.10
Aldrin	mg/kg	0.10	<0.10
Heptachlor epoxide	mg/kg	0.10	<0.10
trans-Chlordane	mg/kg	0.10	<0.10
cis-Chlordane	mg/kg	0.10	<0.10
Endosulfan I	mg/kg	0.10	<0.10
4,4'-DDE	mg/kg	0.10	<0.10
Dieldrin	mg/kg	0.10	<0.10
Endrin	mg/kg	0.10	<0.10
4,4'-DDD	mg/kg	0.10	<0.10
Endosulfan II	mg/kg	0.10	<0.10
Endrin aldehyde	mg/kg	0.10	<0.10
4,4'-DDT	mg/kg	0.10	<0.10
Endosulfan sulfate	mg/kg	0.10	<0.10
Endrin ketone	mg/kg	0.10	<0.10
Methoxychlor	mg/kg	0.10	<0.10
Mirex	mg/kg	0.10	<0.10
Total +ve DDT+DDD+DDE	mg/kg	0.10	<0.10
Total +ve Aldrin + Dieldrin	mg/kg	0.10	<0.10
Total +ve OCP	mg/kg	0.10	<0.10
Surrogate 4-chloro-3-nitrobenzotrifluoride	%		96.4

Certificate of Analysis MGF0248

Organophosphorus Pesticides (Soil)

Envirolab ID Your Reference Date Sampled	Units	PQL	MGF0248-01 BH04-10 11/06/2025
Dichlorvos	mg/kg	0.10	<0.10
Dimethoate	mg/kg	0.10	<0.10
Diazinon	mg/kg	0.10	<0.10
Chlorpyrifos-methyl	mg/kg	0.10	<0.10
Ronnel	mg/kg	0.10	<0.10
Fenitrothion	mg/kg	0.10	<0.10
Malathion	mg/kg	0.10	<0.10
Chlorpyrifos	mg/kg	0.10	<0.10
Parathion	mg/kg	0.10	<0.10
Bromophos-ethyl	mg/kg	0.10	<0.10
Ethion	mg/kg	0.10	<0.10
Coumaphos	mg/kg	0.10	<0.10
Disulfoton	mg/kg	0.10	<0.10
Fenamiphos	mg/kg	0.10	<0.10
Fenthion	mg/kg	0.10	<0.10
Methidathion	mg/kg	0.10	<0.10
Mevinphos	mg/kg	0.10	<0.10
Parathion-methyl	mg/kg	0.10	<0.10
Phorate	mg/kg	0.10	<0.10
Phosalone	mg/kg	0.10	<0.10
Azinphos-methyl	mg/kg	0.10	<0.10
Surrogate 4-chloro-3-nitrobenzotrifluoride	%		96.4

Certificate of Analysis MGF0248

Acid Extractable Metals (Soil)

Envirolab ID Your Reference Date Sampled	Units	PQL	MGF0248-02 BH06-11 11/06/2025
Silver	mg/kg	1.0	<1.0
Arsenic	mg/kg	4.0	<4.0
Boron	mg/kg	10	<10
Barium	mg/kg	1.0	75
Beryllium	mg/kg	1.0	<1.0
Cadmium	mg/kg	0.40	<0.40
Cobalt	mg/kg	1.0	10
Chromium	mg/kg	1.0	32
Copper	mg/kg	1.0	28
Mercury	mg/kg	0.10	<0.10
Manganese	mg/kg	1.0	270
Molybdenum	mg/kg	1.0	<1.0
Nickel	mg/kg	1.0	11
Lead	mg/kg	1.0	6.9
Selenium	mg/kg	2.0	<2.0
Tin	mg/kg	2.0	<2.0
Zinc	mg/kg	1.0	29

Certificate of Analysis MGF0248

Inorganics - Moisture (Soil)

Envirolab ID	Units	PQL	MGF0248-01	MGF0248-02
Your Reference			BH04-10	BH06-11
Date Sampled			11/06/2025	11/06/2025
Moisture	%	0.10	16	14

Certificate of Analysis MGF0248

Method Summary

Method ID	Methodology Summary
INORG-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
METALS-020	Determination of various metals by ICP-OES. 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.
METALS-021	Determination of Mercury by Cold Vapour AAS.
ORG-022	Determination of semi-volatile organic compounds (SVOCs) by GC-MS. Water samples are extracted by LLE and soils using DCM/Acetone/Methanol.
ORG-022_OC	Determination of semi-volatile organic compounds (SVOCs) by GC-MS. Water samples are extracted by LLE and soils using DCM/Acetone/Methanol.

Certificate of Analysis MGF0248

Result Definitions

Identifier	Description
NR	Not reported
NEPM	National Environment Protection Measure
NS	Not specified
LCS	Laboratory Control Sample
RPD	Relative Percent Difference
>	Greater than
<	Less than
PQL	Practical Quantitation Limit
INS	Insufficient sample for this test
NA	Test not required
NT	Not tested
DOL	Samples rejected due to particulate overload (air filters only)
RFD	Samples rejected due to filter damage (air filters only)
RUD	Samples rejected due to uneven deposition (air filters only)
##	Indicates a laboratory acceptance criteria outlier, for further details, see Result Comments and/or QC Comments

Quality Control Definitions

Blank

This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, and is determined by processing solvents and reagents in exactly the same manner as for samples.

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.

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.

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.

Duplicate

This is the complete duplicate analysis of a sample from the process batch. The sample selected should be one where the analyte concentration is easily measurable.

Certificate of Analysis MGF0248

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.

General Acceptance Criteria (GAC) - Analyte specific criteria applies for some analytes and is reflected in QC recovery tables.

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 QAQC tables for details (available on request); <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase. Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-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 typically insufficient in order to satisfy laboratory QA/QC protocols.

Miscellaneous Information

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. We have taken the sampling date as being the date received at the laboratory.

Two significant figures are reported for the majority of tests and with a high degree of confidence, for results <10*PQL, the second significant figure may be in doubt i.e. has a relatively high degree of uncertainty and is provided for information only.

Measurement Uncertainty estimates are available for most tests upon request.

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 or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS where sediment/solids are included by default.

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

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volume(s) 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.

Data Quality Assessment Summary MGF0248

Client Details

Client	LBW Co Pty Ltd
Your Reference	241606A-01
Date Issued	18/06/2025

Recommended Holding Time Compliance

No recommended holding time exceedances

Quality Control and QC Frequency

QC Type	Compliant	Details
Blank	Yes	No Outliers
LCS	Yes	No Outliers
Duplicates	Yes	No Outliers
Matrix Spike	No	Matrix Spike Outliers Exist - See detailed list below
Surrogates / Extracted Internal Standards	Yes	No Outliers
QC Frequency	Yes	No Outliers

Surrogates/Extracted Internal Standards, Duplicates and/or Matrix Spikes are not always relevant/applicable to certain analyses and matrices. Therefore, said QC measures are deemed compliant in these situations by default. See Laboratory Acceptance Criteria for more information

Data Quality Assessment Summary MGF0248

Recommended Holding Time Compliance

Analysis	Sample Number(s)	Date Sampled	Date Extracted	Date Analysed	Compliant
OCP Soil	1	11/06/2025	17/06/2025	18/06/2025	Yes
OPP (21 list) Soil	1	11/06/2025	17/06/2025	18/06/2025	Yes
Metals Soil	2	11/06/2025	17/06/2025	17/06/2025	Yes
Metals-Hg Soil	2	11/06/2025	17/06/2025	18/06/2025	Yes
Moisture Soil	1-2	11/06/2025	17/06/2025	18/06/2025	Yes

Outliers: Matrix Spike

METALS-020 | Acid Extractable Metals (Soil) | Batch BGF2605

Sample ID	Analyte	% Limits	% Recovery
BGF2605-MS1#	Manganese	70 - 130	##[1]

Quality Control MGF0248

ORG-022_OC | Organochlorine Pesticides (Soil) | Batch BGF2598

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGF2598-DUP1#	BGF2598-DUP2#		
				Samp QC RPD %	Samp QC RPD %		
alpha-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		114	111
Hexachlorobenzene	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
beta-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		112	112
gamma-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
delta-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Heptachlor	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		81.5	85.0
Aldrin	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		86.0	85.0
Heptachlor epoxide	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		138	140
trans-Chlordane	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
cis-Chlordane	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Endosulfan I	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
4,4'-DDE	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		122	119
Dieldrin	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		121	117
Endrin	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		129	129
4,4'-DDD	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		122	130
Endosulfan II	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Endrin aldehyde	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
4,4'-DDT	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Endosulfan sulfate	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		118	119
Endrin ketone	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Methoxychlor	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Mirex	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Surrogate 4-chloro-3-nitrobenzotrifluoride	%		112	112 / 104		109	110

Analyte	Units	PQL	Blank	DUP3	DUP4	LCS %
				BGF2598-DUP3#	BGF2598-DUP4#	
				Samp QC RPD %	Samp QC RPD %	
alpha-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Hexachlorobenzene	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
beta-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
gamma-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
delta-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Heptachlor	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Aldrin	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Heptachlor epoxide	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
trans-Chlordane	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
cis-Chlordane	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endosulfan I	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
4,4'-DDE	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Dieldrin	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endrin	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
4,4'-DDD	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endosulfan II	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endrin aldehyde	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
4,4'-DDT	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endosulfan sulfate	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endrin ketone	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Methoxychlor	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Mirex	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Surrogate 4-chloro-3-nitrobenzotrifluoride	%			105 / 104		[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control MGF0248

ORG-022 | Organophosphorus Pesticides (Soil) | Batch BGF2598

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %
				BGF2598-DUP1#		BGF2598-DUP2#			
				Samp	QC RPD %	Samp	QC RPD %		
Dichlorvos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			84.8	90.6
Dimethoate	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Diazinon	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Chlorpyrifos-methyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			120	120
Ronnel	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			123	121
Fenitrothion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			129	124
Malathion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			113	112
Chlorpyrifos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			130	127
Parathion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			102	99.9
Bromophos-ethyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Ethion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			136	129
Coumaphos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Disulfoton	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Fenamiphos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Fenthion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Methidathion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Mevinphos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Parathion-methyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Phorate	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Phosalone	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Azinphos-methyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Surrogate 4-chloro-3-nitrobenzotrifluoride	%		112	112 / 104				109	110

Analyte	Units	PQL	Blank	DUP3			DUP4			LCS %
				BGF2598-DUP3#			BGF2598-DUP4#			
				Samp	QC	RPD %	Samp	QC	RPD %	
Dichlorvos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Dimethoate	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Diazinon	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Chlorpyrifos-methyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Ronnel	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Fenitrothion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Malathion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Chlorpyrifos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Parathion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Bromophos-ethyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Ethion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Coumaphos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Disulfoton	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Fenamiphos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Fenthion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Methidathion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Mevinphos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Parathion-methyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Phorate	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Phosalone	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Azinphos-methyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Surrogate 4-chloro-3-nitrobenzotrifluoride	%			105 / 104						[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control MGF0248

METALS-020 | Acid Extractable Metals (Soil) | Batch BGF2605

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGF2605-DUP1#	BGF2605-DUP2#		
				Samp QC RPD %	Samp QC RPD %		
Arsenic	mg/kg	4.0	<4.0	4.18 4.00 [NA]		101	102
Barium	mg/kg	1.0	<1.0	138 117 16.7		102	112
Beryllium	mg/kg	1.0	<1.0	<1.0 <1.0 [NA]		104	102
Boron	mg/kg	10	<10	32.4 24.2 [NA]		99.3	115
Cadmium	mg/kg	0.40	<0.40	<0.40 <0.40 [NA]		110	97.4
Chromium	mg/kg	1.0	<1.0	20.8 20.4 1.63		104	107
Cobalt	mg/kg	1.0	<1.0	6.75 6.52 3.45		103	95.8
Copper	mg/kg	1.0	<1.0	14.0 15.0 7.52		100	108
Lead	mg/kg	1.0	<1.0	7.40 7.79 5.06		101	94.5
Manganese	mg/kg	1.0	<1.0	277 284 2.52		106	##[1]
Mercury	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		102	105
Molybdenum	mg/kg	1.0	<1.0	<1.0 <1.0 [NA]		103	95.3
Nickel	mg/kg	1.0	<1.0	14.9 14.6 1.68		102	98.5
Selenium	mg/kg	2.0	<2.0	<2.0 <2.0 [NA]		94.6	94.3
Silver	mg/kg	1.0	<1.0	<1.0 <1.0 [NA]		93.6	112
Tin	mg/kg	2.0	<2.0	<2.0 <2.0 [NA]		97.5	98.7
Zinc	mg/kg	1.0	<1.0	17.4 20.3 15.4		107	100

Analyte	Units	PQL	Blank	DUP3	DUP4	LCS %
				BGF2605-DUP3#	BGF2605-DUP4#	
				Samp QC RPD %	Samp QC RPD %	
Arsenic	mg/kg	4		<4.0 <4.0 [NA]		[NA]
Barium	mg/kg	1		11.5 12.6 9.69		[NA]
Beryllium	mg/kg	1		<1.0 <1.0 [NA]		[NA]
Boron	mg/kg	10		<10 <10 [NA]		[NA]
Cadmium	mg/kg	0.4		<0.40 <0.40 [NA]		[NA]
Chromium	mg/kg	1		18.3 20.4 10.5		[NA]
Cobalt	mg/kg	1		3.69 4.11 [NA]		[NA]
Copper	mg/kg	1		7.83 8.89 12.7		[NA]
Lead	mg/kg	1		4.71 5.34 12.5		[NA]
Manganese	mg/kg	1		39.8 43.6 9.20		[NA]
Mercury	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Molybdenum	mg/kg	1		<1.0 <1.0 [NA]		[NA]
Nickel	mg/kg	1		6.78 7.53 10.5		[NA]
Selenium	mg/kg	2		<2.0 <2.0 [NA]		[NA]
Silver	mg/kg	1		<1.0 <1.0 [NA]		[NA]
Tin	mg/kg	2		<2.0 <2.0 [NA]		[NA]
Zinc	mg/kg	1		13.3 14.8 10.4		[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-008 | Inorganics - Moisture (Soil) | Batch BGF2591

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGF2591-DUP1#	BGF2591-DUP2#	
				Samp QC RPD %	Samp QC RPD %	
Moisture	%	0.1		15.6 15.0 4.45	13.6 12.8 5.84	[NA]

Analyte	Units	PQL	Blank	DUP3	LCS %
				BGF2591-DUP3#	
				Samp QC RPD %	
Moisture	%	0.1		15.8 14.4 9.15	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control MGF0248

INORG-008 | Inorganics - Moisture (Soil) | Batch BGF2604

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGF2604-DUP1# Samp QC RPD %	BGF2604-DUP2# Samp QC RPD %	
Moisture	%	0.1		10.7 11.5 7.13	12.2 12.5 2.27	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

QC Comments

Identifier	Description
[1]	Spike recovery is not applicable due to the relatively high analyte background in the sample (>3* spike level). However, the LCS recovery is within acceptance criteria.

2/2
1232223

LABORATORY TESTING ORDER

Project Title : South Barossa Winery & Tourist Accommodation Soil Ass

Job Number : 241606A-01

Project Manager: Stuart Taylor

Email: stuart.taylor@lbwco.com.au

Phone: 08 8331 2417

Results to: results@lbwco.com.au, esdat@lbwco.com.au, esdat@labsync.net

Invoice to: finance@lbwco.com.au

Primary Laboratory: Eurofins

Laboratory Quote Ref: Pricebook 2023

Secondary Laboratory: EnviroLab

Laboratory Quote Ref: LBWco Price List 2023



EnviroLab Services
25 Research Drive
Croydon South VIC 3136
Ph: (03) 9763 2500

LBW co's COC REFERENCE (sample delivery group)

241606A-01_COC_20250612

Turnaround Required

Standard 5 Day

Job No: **MAF0248**

Date Received: **16/06/23**

Time Received: **11:00**

Received By: **23**

Temp: **Cool/Ambient**

Cooling: **Ice/icepack**

Security: **Intact/Broken/None**

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED																
Date Sampled	Sample ID	Sample Matrix	Additional Information / Comments	B14 (OCP+OPP)	Synthetic pyrethroids	M15A	R21 (NEPM EIL Soil Class)	R7 SA EPA Waste Fill Screen	EnviroLab E09500 (OCP+OPP)	EnviroLab E09220 (Synthetic pyrethroids)	EnviroLab E02750 (17 Metals)	Rinse - Metals 13	Trip Blank - TRH (C6-C10)	HOLD						
11-Jun-25	BH04-07	Soil												X						
11-Jun-25	BH04-08	Soil												X						
11-Jun-25	BH04-09	Soil		X																
11-Jun-25	BH04-10	Soil							X											
11-Jun-25	BH05-01	Soil												X						
11-Jun-25	BH05-02	Soil				X								X						
11-Jun-25	BH05-03	Soil																		
11-Jun-25	BH05-04	Soil					X							X						
11-Jun-25	BH05-05	Soil												X						
11-Jun-25	BH05-06	Soil												X						
11-Jun-25	BH05-07	Soil												X						
11-Jun-25	BH05-08	Soil												X						
11-Jun-25	BH05-09	Soil												X						
11-Jun-25	BH06-01	Soil		X																
11-Jun-25	BH06-02	Soil						X												
11-Jun-25	BH06-03	Soil												X						
11-Jun-25	BH06-04	Soil												X						
11-Jun-25	BH06-05	Soil				X														
11-Jun-25	BH06-06	Soil												X						
11-Jun-25	BH06-07	Soil												X						
11-Jun-25	BH06-08	Soil												X						
11-Jun-25	BH06-09	Soil												X						
LBW co AUTHORIZATION				LABORATORY RECEIPT																
Requested by: Gaetano Garfi				Received by:				Additional Comments												
Date/time requested: 13-Jun-25 12 : 0				Date/time received:				Please forward BH04-10 and BH06-11 to EnviroLab for testing												
Signature:				Signature:																

LABORATORY TESTING ORDER

Project Title : South Barossa Winery & Tourist Accommodation Soil Ass
Job Number : 241606A-01
Project Manager: Stuart Taylor
Email: stuart.taylor@lbwco.com.au
Phone: 08 8331 2417
Results to: results@lbwco.com.au, esdat@lbwco.com.au, esdat@lbwco.com.au
Invoice to: finance@lbwco.com.au

Primary Laboratory: Eurofins

Laboratory Quote Ref: Pricebook 2023

Secondary Laboratory: Envirolab

Laboratory Quote Ref: LBWco Price List 2023

LBW co's COC REFERENCE (sample delivery group)

241606A-01_COC_20250612

Turnaround Required

Standard 5 Day

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED																	
Date Sampled	Sample ID	Sample Matrix	Additional Information / Comments	B14 (OCF+OPP)	Synthetic pyrethroids	M15A	R21 (NEPM EIL Soil Class)	R7 SA EPA Waste Fill Screen	Envirolab E09500 (OCF+OPP)	Envirolab E09220 (Synthetic pyrethroids)	Envirolab E02750 (17 Metals)	Rinse - Metals 13	Trip Blank - TRH (Ca-C10)			HOLD					
11-Jun-25	BH06-10	Soil				X															
11-Jun-25	BH06-11	Soil									X										
11-Jun-25	BH07-01	Soil			X											X					
11-Jun-25	BH07-02	Soil																			
11-Jun-25	BH07-03	Soil						X								X					
11-Jun-25	BH07-04	Soil														X					
11-Jun-25	BH07-05	Soil														X					
11-Jun-25	BH07-06	Soil														X					
11-Jun-25	BH07-07	Soil														X					
11-Jun-25	BH07-08	Soil														X					
11-Jun-25	BH08-01	Soil														X					
11-Jun-25	BH08-02	Soil														X					
11-Jun-25	BH08-03	Soil														X					
11-Jun-25	BH08-04	Soil						X								X					
11-Jun-25	BH08-05	Soil																			
11-Jun-25	BH09-01	Soil				X										X					
11-Jun-25	BH09-02	Soil														X					
11-Jun-25	BH09-03	Soil														X					
11-Jun-25	BH09-04	Soil														X					
11-Jun-25	BH09-05	Soil														X					
11-Jun-25	BH09-06	Soil						X								X					
11-Jun-25	BH09-07	Soil														X					
LBW co AUTHORISATION				LABORATORY RECEIPT				0	1	2	0	3	0	0	1	0	0	0	0	15	
Requested by: Gaetano Garfi				Received by:				Additional Comments Please forward BH04-10 and BH06-11 to Envirolab for testing													
Date \ time requested: 13-Jun-25 12 : 0				Date \ time received:																	
Signature:				Signature:																	

LBW co Pty Ltd
184 Magill Road
Norwood
SA 5069



NATA Accredited
Accreditation Number 1261
Site Number 1254

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

Attention: **Stuart Taylor**

Report **1235344-S**
Project name **SOUTHERN BAROSSA TPS**
Project ID **241606-01**
Received Date **Jun 20, 2025**

Client Sample ID			TP01-01	TP01-03	TP02-01	TP02-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25- Jn0058929	M25- Jn0058930	M25- Jn0058931	M25- Jn0058932
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4,4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchloredate (surr.)	1	%	103	-	116	-
Tetrachloro-m-xylene (surr.)	1	%	100	-	105	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	-
Coumaphos	2	mg/kg	< 2	-	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-	-

Client Sample ID Sample Matrix Eurofins Sample No. Date Sampled Test/Reference	LOR	Unit	TP01-01 Soil M25- Jn0058929 Jun 18, 2025	TP01-03 Soil M25- Jn0058930 Jun 18, 2025	TP02-01 Soil M25- Jn0058931 Jun 18, 2025	TP02-04 Soil M25- Jn0058932 Jun 18, 2025
Organophosphorus Pesticides						
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
EPN	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Malathion	0.2	mg/kg	< 0.2	-	-	-
Merphos	0.2	mg/kg	< 0.2	-	-	-
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Monocrotophos	2	mg/kg	< 2	-	-	-
Naled	0.2	mg/kg	< 0.2	-	-	-
Omethoate	2	mg/kg	< 2	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	109	-	-	-
Acid Herbicides						
2,4-D	0.5	mg/kg	< 0.5	-	-	-
2,4-DB	0.5	mg/kg	< 0.5	-	-	-
2,4,5-T	0.5	mg/kg	< 0.5	-	-	-
2,4,5-TP	0.5	mg/kg	< 0.5	-	-	-
Actril (loxynil)	0.5	mg/kg	< 0.5	-	-	-
Dicamba	0.5	mg/kg	< 0.5	-	-	-
Dichlorprop	0.5	mg/kg	< 0.5	-	-	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	-	-	-
Dinoseb	0.5	mg/kg	< 0.5	-	-	-
MCPA	0.5	mg/kg	< 0.5	-	-	-
MCPB	0.5	mg/kg	< 0.5	-	-	-
Mecoprop	0.5	mg/kg	< 0.5	-	-	-
Warfarin (surr.)	1	%	108	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	6.3	2.7	2.2	2.1
Barium	10	mg/kg	190	220	240	260
Beryllium	2	mg/kg	< 2	< 2	< 2	< 2
Boron	10	mg/kg	< 10	< 10	< 10	< 10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	58	65	63	47

Client Sample ID			TP01-01	TP01-03	TP02-01	TP02-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058929	M25-Jn0058930	M25-Jn0058931	M25-Jn0058932
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Cobalt	5	mg/kg	13	20	17	34
Copper	5	mg/kg	65	33	58	200
Iron	20	mg/kg	-	-	40000	-
Lead	5	mg/kg	11	11	11	8.8
Manganese	5	mg/kg	370	360	410	260
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	15	28	24	26
Selenium	2	mg/kg	< 2	< 2	-	< 2
Silver	2	mg/kg	-	-	< 2	-
Vanadium	10	mg/kg	68	88	84	71
Zinc	5	mg/kg	87	75	62	95
Sample Properties						
% Moisture	1	%	15	6.0	11	6.2
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	-
TRH C10-C14	20	mg/kg	-	-	< 20	-
TRH C15-C28	50	mg/kg	-	-	< 50	-
TRH C29-C36	50	mg/kg	-	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	-	< 50	-
TRH C6-C10	20	mg/kg	-	-	< 20	-
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	-	< 20	-
TRH >C10-C16	50	mg/kg	-	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	-	< 50	-
Naphthalene ^{N02}	0.5	mg/kg	-	-	< 0.5	-
TRH >C16-C34	100	mg/kg	-	-	< 100	-
TRH >C34-C40	100	mg/kg	-	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	-	87	-
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	1.2	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	-
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			TP01-01	TP01-03	TP02-01	TP02-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058929	M25-Jn0058930	M25-Jn0058931	M25-Jn0058932
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(k)fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Phenanthrene	0.5	mg/kg	-	-	< 0.5	-
Pyrene	0.5	mg/kg	-	-	< 0.5	-
Total PAH*	0.5	mg/kg	-	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	-	98	-
p-Terphenyl-d14 (surr.)	1	%	-	-	100	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchloroendate (surr.)	1	%	-	-	116	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	105	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2,4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2,4,5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2,4,6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2,6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1.0	mg/kg	-	-	< 1	-
2,4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2,4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	122	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-

Client Sample ID			TP01-01	TP01-03	TP02-01	TP02-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058929	M25-Jn0058930	M25-Jn0058931	M25-Jn0058932
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Chromium (hexavalent)	1	mg/kg	-	-	< 1	-
Chromium (trivalent)	5	mg/kg	-	-	63	-
Cyanide (total)	5	mg/kg	-	-	< 5	-

Client Sample ID			TP03-01	TP03-02	TP03-04	TP03-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058933	M25-Jn0058934	M25-Jn0058935	M25-Jn0058936
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	-
4,4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	-
4,4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	-
4,4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorodate (surr.)	1	%	145	139	-	-
Tetrachloro-m-xylene (surr.)	1	%	141	132	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	-	-
Bolstar	0.2	mg/kg	-	< 0.2	-	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	-	-
Chlorpyrifos	0.2	mg/kg	-	< 0.2	-	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	-	-
Coumaphos	2	mg/kg	-	< 2	-	-
Demeton-S	0.2	mg/kg	-	< 0.2	-	-
Demeton-O	0.2	mg/kg	-	< 0.2	-	-
Diazinon	0.2	mg/kg	-	< 0.2	-	-

Client Sample ID			TP03-01	TP03-02	TP03-04	TP03-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058933	M25-Jn0058934	M25-Jn0058935	M25-Jn0058936
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	-	< 0.2	-	-
Dimethoate	0.2	mg/kg	-	< 0.2	-	-
Disulfoton	0.2	mg/kg	-	< 0.2	-	-
EPN	0.2	mg/kg	-	< 0.2	-	-
Ethion	0.2	mg/kg	-	< 0.2	-	-
Ethoprop	0.2	mg/kg	-	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	-	< 0.2	-	-
Fenitrothion	0.2	mg/kg	-	< 0.2	-	-
Fensulfothion	0.2	mg/kg	-	< 0.2	-	-
Fenthion	0.2	mg/kg	-	< 0.2	-	-
Malathion	0.2	mg/kg	-	< 0.2	-	-
Merphos	0.2	mg/kg	-	< 0.2	-	-
Methyl parathion	0.2	mg/kg	-	< 0.2	-	-
Mevinphos	0.2	mg/kg	-	< 0.2	-	-
Monocrotophos	2	mg/kg	-	< 2	-	-
Naled	0.2	mg/kg	-	< 0.2	-	-
Omethoate	2	mg/kg	-	< 2	-	-
Phorate	0.2	mg/kg	-	< 0.2	-	-
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	-	-
Pyrazophos	0.2	mg/kg	-	< 0.2	-	-
Ronnel	0.2	mg/kg	-	< 0.2	-	-
Terbufos	0.2	mg/kg	-	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	-	-
Tokuthion	0.2	mg/kg	-	< 0.2	-	-
Trichloronate	0.2	mg/kg	-	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	-	132	-	-
Acid Herbicides						
2,4-D	0.5	mg/kg	< 0.5	< 0.5	-	-
2,4-DB	0.5	mg/kg	< 0.5	< 0.5	-	-
2,4,5-T	0.5	mg/kg	< 0.5	< 0.5	-	-
2,4,5-TP	0.5	mg/kg	< 0.5	< 0.5	-	-
Actril (loxytil)	0.5	mg/kg	< 0.5	< 0.5	-	-
Dicamba	0.5	mg/kg	< 0.5	< 0.5	-	-
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	-	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	-	-
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	-	-
MCPA	0.5	mg/kg	< 0.5	< 0.5	-	-
MCPB	0.5	mg/kg	< 0.5	< 0.5	-	-
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	-	-
Warfarin (surr.)	1	%	103	105	-	-
Heavy Metals						
Arsenic	2	mg/kg	2.1	3.2	3.2	< 2
Barium	10	mg/kg	170	180	170	240
Beryllium	2	mg/kg	< 2	2.0	< 2	< 2
Boron	10	mg/kg	< 10	< 10	< 10	< 10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	63	83	70	61
Cobalt	5	mg/kg	16	15	18	23
Copper	5	mg/kg	37	35	35	33

Client Sample ID			TP03-01	TP03-02	TP03-04	TP03-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058933	M25-Jn0058934	M25-Jn0058935	M25-Jn0058936
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Iron	20	mg/kg	38000	-	-	-
Lead	5	mg/kg	10	20	13	18
Manganese	5	mg/kg	400	260	300	460
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	16	23	31	29
Selenium	2	mg/kg	-	< 2	< 2	< 2
Silver	2	mg/kg	< 2	-	-	-
Vanadium	10	mg/kg	85	130	100	82
Zinc	5	mg/kg	56	65	72	71
Sample Properties						
% Moisture	1	%	14	13	12	5.7
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50	-	-	-
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	100	-	-	-
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	-
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	-	-	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			TP03-01	TP03-02	TP03-04	TP03-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058933	M25-Jn0058934	M25-Jn0058935	M25-Jn0058936
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Total PAH*	0.5	mg/kg	< 0.5	-	-	-
2-Fluorobiphenyl (surr.)	1	%	131	-	-	-
p-Terphenyl-d14 (surr.)	1	%	135	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchloroendate (surr.)	1	%	145	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	141	-	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	-
2,4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2,4,5-Trichlorophenol	1	mg/kg	< 1	-	-	-
2,4,6-Trichlorophenol	1	mg/kg	< 1	-	-	-
2,6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	-	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	-	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	< 20	-	-	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	< 5	-	-	-
2-Nitrophenol	1.0	mg/kg	< 1	-	-	-
2,4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	-
2,4-Dinitrophenol	5	mg/kg	< 5	-	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	-
Total cresols*	0.5	mg/kg	< 0.5	-	-	-
4-Nitrophenol	5	mg/kg	< 5	-	-	-
Dinoseb	20	mg/kg	< 20	-	-	-
Phenol	0.5	mg/kg	< 0.5	-	-	-
Phenol-d6 (surr.)	1	%	77	-	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	-	-
Chromium (hexavalent)	1	mg/kg	< 1	-	-	-
Chromium (trivalent)	5	mg/kg	63	-	-	-
Cyanide (total)	5	mg/kg	< 5	-	-	-

Client Sample ID			TP04-01	TP04-02	TP04-03	TP04-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058937	M25-Jn0058938	M25-Jn0058939	M25-Jn0058940
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	< 0.1
4,4'-DDD	0.05	mg/kg	< 0.05	-	-	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05	-	-	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05	-	-	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchloroendate (surr.)	1	%	103	-	-	103
Tetrachloro-m-xylene (surr.)	1	%	97	-	-	105
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	-
Coumaphos	2	mg/kg	< 2	-	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-	-
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
EPN	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Malathion	0.2	mg/kg	< 0.2	-	-	-
Merphos	0.2	mg/kg	< 0.2	-	-	-

Client Sample ID Sample Matrix Eurofins Sample No. Date Sampled Test/Reference	LOR	Unit	TP04-01 Soil M25- Jn0058937 Jun 18, 2025	TP04-02 Soil M25- Jn0058938 Jun 18, 2025	TP04-03 Soil M25- Jn0058939 Jun 18, 2025	TP04-04 Soil M25- Jn0058940 Jun 18, 2025
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Monocrotophos	2	mg/kg	< 2	-	-	-
Naled	0.2	mg/kg	< 0.2	-	-	-
Omethoate	2	mg/kg	< 2	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	97	-	-	-
Acid Herbicides						
2,4-D	0.5	mg/kg	< 0.5	-	-	-
2,4-DB	0.5	mg/kg	< 0.5	-	-	-
2,4,5-T	0.5	mg/kg	< 0.5	-	-	-
2,4,5-TP	0.5	mg/kg	< 0.5	-	-	-
Actril (ioxynil)	0.5	mg/kg	< 0.5	-	-	-
Dicamba	0.5	mg/kg	< 0.5	-	-	-
Dichlorprop	0.5	mg/kg	< 0.5	-	-	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	-	-	-
Dinoseb	0.5	mg/kg	< 0.5	-	-	-
MCPA	0.5	mg/kg	< 0.5	-	-	-
MCPB	0.5	mg/kg	< 0.5	-	-	-
Mecoprop	0.5	mg/kg	< 0.5	-	-	-
Warfarin (surr.)	1	%	120	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	2.3	4.2	3.5	5.8
Barium	10	mg/kg	93	150	150	250
Beryllium	2	mg/kg	< 2	2.1	< 2	2.5
Boron	10	mg/kg	< 10	< 10	< 10	< 10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	36	82	73	110
Cobalt	5	mg/kg	10	18	13	20
Copper	5	mg/kg	39	30	36	42
Iron	20	mg/kg	-	-	-	93000
Lead	5	mg/kg	9.5	15	13	22
Manganese	5	mg/kg	270	330	310	430
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	31	27	46
Selenium	2	mg/kg	< 2	< 2	< 2	-
Silver	2	mg/kg	-	-	-	< 2
Vanadium	10	mg/kg	49	120	100	150
Zinc	5	mg/kg	37	49	43	69
Sample Properties						
% Moisture	1	%	17	23	15	17

Client Sample ID Sample Matrix Eurofins Sample No. Date Sampled Test/Reference	LOR	Unit	TP04-01 Soil M25- Jn0058937 Jun 18, 2025	TP04-02 Soil M25- Jn0058938 Jun 18, 2025	TP04-03 Soil M25- Jn0058939 Jun 18, 2025	TP04-04 Soil M25- Jn0058940 Jun 18, 2025
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	-	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	-	-	-	< 0.5
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	61
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	-	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	107
p-Terphenyl-d14 (surr.)	1	%	-	-	-	114

Client Sample ID			TP04-01	TP04-02	TP04-03	TP04-04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058937	M25-Jn0058938	M25-Jn0058939	M25-Jn0058940
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchloredate (surr.)	1	%	-	-	-	103
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	105
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,4,6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1.0	mg/kg	-	-	-	< 1
2,4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	105
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20
Chromium (hexavalent)	1	mg/kg	-	-	-	< 1
Chromium (trivalent)	5	mg/kg	-	-	-	110
Cyanide (total)	5	mg/kg	-	-	-	< 5

Client Sample ID			TP04-06	TP05-01	TP05-02	TP05-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058941	M25-Jn0058942	M25-Jn0058943	M25-Jn0058944
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4,4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4,4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4,4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchloredate (surr.)	1	%	-	107	125	-
Tetrachloro-m-xylene (surr.)	1	%	-	101	120	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	-	< 2	< 2	-
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	-
EPN	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	-

Client Sample ID			TP04-06	TP05-01	TP05-02	TP05-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058941	M25-Jn0058942	M25-Jn0058943	M25-Jn0058944
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	-	< 2	< 2	-
Naled	0.2	mg/kg	-	< 0.2	< 0.2	-
Omethoate	2	mg/kg	-	< 2	< 2	-
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	-
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	-
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	-	106	141	-
Acid Herbicides						
2,4-D	0.5	mg/kg	-	< 0.5	< 0.5	-
2,4-DB	0.5	mg/kg	-	< 0.5	< 0.5	-
2,4,5-T	0.5	mg/kg	-	< 0.5	< 0.5	-
2,4,5-TP	0.5	mg/kg	-	< 0.5	< 0.5	-
Actril (loxynil)	0.5	mg/kg	-	< 0.5	< 0.5	-
Dicamba	0.5	mg/kg	-	< 0.5	< 0.5	-
Dichlorprop	0.5	mg/kg	-	< 0.5	< 0.5	-
Dinitro-o-cresol	0.5	mg/kg	-	< 0.5	< 0.5	-
Dinoseb	0.5	mg/kg	-	< 0.5	< 0.5	-
MCPA	0.5	mg/kg	-	< 0.5	< 0.5	-
MCPB	0.5	mg/kg	-	< 0.5	< 0.5	-
Mecoprop	0.5	mg/kg	-	< 0.5	< 0.5	-
Warfarin (surr.)	1	%	-	110	108	-
Heavy Metals						
Arsenic	2	mg/kg	3.8	3.3	4.4	2.4
Barium	10	mg/kg	240	200	180	180
Beryllium	2	mg/kg	< 2	< 2	< 2	< 2
Boron	10	mg/kg	< 10	< 10	< 10	< 10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	83	44	45	46
Cobalt	5	mg/kg	17	15	15	20
Copper	5	mg/kg	31	30	36	26
Lead	5	mg/kg	16	12	14	11
Manganese	5	mg/kg	430	690	550	780
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	38	16	16	17
Selenium	2	mg/kg	< 2	< 2	< 2	< 2
Vanadium	10	mg/kg	110	54	62	69
Zinc	5	mg/kg	52	44	43	40
Sample Properties						
% Moisture	1	%	13	15	14	8.2

Client Sample ID			TP05-06	TP06-01	TP06-03	TP06-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058945	M25-Jn0058946	M25-Jn0058947	M25-Jn0058948
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4,4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4,4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4,4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	121	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	112	-	-
Heavy Metals						
Arsenic	2	mg/kg	-	2.8	3.0	2.6
Barium	10	mg/kg	-	210	220	310
Beryllium	2	mg/kg	-	< 2	< 2	< 2
Boron	10	mg/kg	-	-	< 10	< 10
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	70	77	94
Cobalt	5	mg/kg	-	18	16	17
Copper	5	mg/kg	-	80	54	74
Iron	20	mg/kg	34000	44000	-	-
Lead	5	mg/kg	-	16	15	12
Manganese	5	mg/kg	-	460	280	360
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	24	26	21
Selenium	2	mg/kg	-	-	< 2	< 2
Silver	2	mg/kg	-	< 2	-	-
Vanadium	10	mg/kg	-	-	120	130
Zinc	5	mg/kg	-	74	71	71
Sample Properties						
% Moisture	1	%	10	20	15	6.8

Client Sample ID			TP05-06	TP06-01	TP06-03	TP06-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058945	M25-Jn0058946	M25-Jn0058947	M25-Jn0058948
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	-
TRH C10-C14	20	mg/kg	-	< 20	-	-
TRH C15-C28	50	mg/kg	-	< 50	-	-
TRH C29-C36	50	mg/kg	-	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	-	-
TRH C6-C10	20	mg/kg	-	< 20	-	-
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	< 20	-	-
TRH >C10-C16	50	mg/kg	-	< 50	-	-
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	< 50	-	-
Naphthalene ^{N02}	0.5	mg/kg	-	< 0.5	-	-
TRH >C16-C34	100	mg/kg	-	< 100	-	-
TRH >C34-C40	100	mg/kg	-	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	-
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	-
4-Bromofluorobenzene (surr.)	1	%	-	72	-	-
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	-	-
Acenaphthene	0.5	mg/kg	-	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	-	-
Anthracene	0.5	mg/kg	-	< 0.5	-	-
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	-	-
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	-	-
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	< 0.5	-	-
Benzo(g,h,i)perylene	0.5	mg/kg	-	< 0.5	-	-
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	-	-
Chrysene	0.5	mg/kg	-	< 0.5	-	-
Dibenz(a,h)anthracene	0.5	mg/kg	-	< 0.5	-	-
Fluoranthene	0.5	mg/kg	-	< 0.5	-	-
Fluorene	0.5	mg/kg	-	< 0.5	-	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	< 0.5	-	-
Naphthalene	0.5	mg/kg	-	< 0.5	-	-
Phenanthrene	0.5	mg/kg	-	< 0.5	-	-
Pyrene	0.5	mg/kg	-	< 0.5	-	-
Total PAH*	0.5	mg/kg	-	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	-	119	-	-
p-Terphenyl-d14 (surr.)	1	%	-	121	-	-

Client Sample ID			TP05-06	TP06-01	TP06-03	TP06-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058945	M25-Jn0058946	M25-Jn0058947	M25-Jn0058948
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchloredate (surr.)	1	%	-	121	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	112	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4,5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,4,6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1.0	mg/kg	-	< 1	-	-
2,4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dinitrophenol	5	mg/kg	-	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	120	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-
Chromium (hexavalent)	1	mg/kg	-	< 1	-	-
Chromium (trivalent)	5	mg/kg	-	70	-	-
Cyanide (total)	5	mg/kg	-	< 5	-	-
% Clay	2.5	%	15	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	67	-	-	-
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	7.4	-	-	-
Total Organic Carbon	0.1	%	0.4	-	-	-
Heavy Metals						
Iron (%)	0.01	%	3.4	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	20	-	-	-

Client Sample ID			TP07-01	TP07-02	TP07-03
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058949	M25-Jn0058950	M25-Jn0058951
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit			
Organochlorine Pesticides					
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-
4,4'-DDD	0.05	mg/kg	< 0.05	-	-
4,4'-DDE	0.05	mg/kg	< 0.05	-	-
4,4'-DDT	0.05	mg/kg	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-
Dibutylchloroendate (surr.)	1	%	100	-	-
Tetrachloro-m-xylene (surr.)	1	%	101	-	-
Organophosphorus Pesticides					
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-
Coumaphos	2	mg/kg	< 2	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-
Demeton-O	0.2	mg/kg	< 0.2	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-
EPN	0.2	mg/kg	< 0.2	-	-
Ethion	0.2	mg/kg	< 0.2	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-
Malathion	0.2	mg/kg	< 0.2	-	-
Merphos	0.2	mg/kg	< 0.2	-	-

Client Sample ID			TP07-01	TP07-02	TP07-03
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			M25-Jn0058949	M25-Jn0058950	M25-Jn0058951
Date Sampled			Jun 18, 2025	Jun 18, 2025	Jun 18, 2025
Test/Reference	LOR	Unit			
Organophosphorus Pesticides					
Methyl parathion	0.2	mg/kg	< 0.2	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-
Monocrotophos	2	mg/kg	< 2	-	-
Naled	0.2	mg/kg	< 0.2	-	-
Omethoate	2	mg/kg	< 2	-	-
Phorate	0.2	mg/kg	< 0.2	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	102	-	-
Acid Herbicides					
2,4-D	0.5	mg/kg	< 0.5	-	-
2,4-DB	0.5	mg/kg	< 0.5	-	-
2,4,5-T	0.5	mg/kg	< 0.5	-	-
2,4,5-TP	0.5	mg/kg	< 0.5	-	-
Actril (loxynil)	0.5	mg/kg	< 0.5	-	-
Dicamba	0.5	mg/kg	< 0.5	-	-
Dichlorprop	0.5	mg/kg	< 0.5	-	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	-	-
Dinoseb	0.5	mg/kg	< 0.5	-	-
MCPA	0.5	mg/kg	< 0.5	-	-
MCPB	0.5	mg/kg	< 0.5	-	-
Mecoprop	0.5	mg/kg	< 0.5	-	-
Warfarin (surr.)	1	%	63	-	-
Heavy Metals					
Arsenic	2	mg/kg	2.5	4.1	4.0
Barium	10	mg/kg	150	270	290
Beryllium	2	mg/kg	< 2	< 2	< 2
Boron	10	mg/kg	< 10	12	< 10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	57	110	100
Cobalt	5	mg/kg	14	20	20
Copper	5	mg/kg	33	45	44
Lead	5	mg/kg	11	17	18
Manganese	5	mg/kg	320	380	350
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	20	40	36
Selenium	2	mg/kg	< 2	< 2	< 2
Vanadium	10	mg/kg	83	160	150
Zinc	5	mg/kg	42	63	67
Sample Properties					
% Moisture	1	%	13	15	13

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
SA Waste Screen			
Organochlorine Pesticides	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)			
SA Waste Metals : Metals M14SA	Melbourne	Jun 21, 2025	28 Days
- Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Volatile Organics	Melbourne	Jun 21, 2025	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)			
Polycyclic Aromatic Hydrocarbons	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Polychlorinated Biphenyls	Melbourne	Jun 21, 2025	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8082)			
Phenols (Halogenated)	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Chromium (hexavalent)	Melbourne	Jun 21, 2025	28 Days
- Method: LTM-INO-4100 Hexavalent Chromium by Spectrometric detection			
Cyanide (total)	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-INO-4020 Total Free WAD Cyanide by CFA			
Suite B14: OCP/OPP			
Organophosphorus Pesticides	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)			
Acid Herbicides	Melbourne	Jun 23, 2025	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			
NEPM Metals : Metals M15 (ex HexCr)	Melbourne	Jun 21, 2025	28 Days
- Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)			
Heavy Metals	Melbourne	Jun 21, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
NEPM Screen for Soil Classification			
% Clay	Melbourne	Jun 21, 2025	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Melbourne	Jun 21, 2025	7 Days
- Method: LTM-INO-4030 Conductivity			
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Melbourne	Jun 21, 2025	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Melbourne	Jun 23, 2025	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Cation Exchange Capacity	Melbourne	Jun 25, 2025	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
% Moisture	Melbourne	Jun 20, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			



web: www.eurofins.com.au

email: EnviroSales@eurofinsanz.com

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
+61 3 8564 5000
NATA# 1261
Site# 25403

Sydney
179 Magowar Road
Girraween
NSW 2145
+61 2 9900 8400
NATA# 1261
Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
+61 2 6113 8091
NATA# 1261
Site# 25466

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
+61 7 3902 4600
NATA# 1261
Site# 20794 & 2780

Newcastle
1/2 Frost Drive
Mayfield West
NSW 2304
+61 2 4968 8448
NATA# 1261
Site# 25079

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

Auckland
35 O'Rorke Road
Penrose
Auckland 1061
+64 9 526 4551
IANZ# 1327

Auckland (Focus)
Unit C1/4 Pacific Rise
Mount Wellington
Auckland 1061
+64 9 525 0568
IANZ# 1308

Christchurch
43 Detroit Drive
Rolleston
Christchurch 7675
+64 3 343 5201
IANZ# 1290

Tauranga
1277 Cameron Road
Gate Pa
Tauranga 3112
+64 9 525 0568
IANZ# 1402

Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Project Name: SOUTHERN BAROSSA TPS
Project ID: 241606-01

Order No.:
Report #: 1235344
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 20, 2025 1:46 PM
Due: Jun 27, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Acid Herbicides	Suite B14: OCP/OPP	NEPM 1999 Metals : Metals M15	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	NEPM Metals : Metals M15 (ex HexCr)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X
External Laboratory							X							
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID									
1	TP05-03	Jun 18, 2025		Soil	M25-Jn0058928		X							
2	TP01-01	Jun 18, 2025		Soil	M25-Jn0058929			X	X		X			X
3	TP01-03	Jun 18, 2025		Soil	M25-Jn0058930						X			X
4	TP02-01	Jun 18, 2025		Soil	M25-Jn0058931					X	X		X	
5	TP02-04	Jun 18, 2025		Soil	M25-Jn0058932						X			X
6	TP03-01	Jun 18, 2025		Soil	M25-Jn0058933			X		X	X		X	
7	TP03-02	Jun 18, 2025		Soil	M25-Jn0058934			X	X		X			X
8	TP03-04	Jun 18, 2025		Soil	M25-Jn0058935						X			X
9	TP03-06	Jun 18, 2025		Soil	M25-Jn0058936						X			X
10	TP04-01	Jun 18, 2025		Soil	M25-Jn0058937			X	X		X			X
11	TP04-02	Jun 18, 2025		Soil	M25-Jn0058938						X			X
12	TP04-03	Jun 18, 2025		Soil	M25-Jn0058939						X			X
13	TP04-04	Jun 18, 2025		Soil	M25-Jn0058940					X	X		X	
14	TP04-06	Jun 18, 2025		Soil	M25-Jn0058941						X			X



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd

Address: 184 Magill Road
Norwood
SA 5069

Project Name: SOUTHERN BAROSSA TPS

Project ID: 241606-01

Order No.:

Report #: 1235344

Phone: 08 8331 2417

Fax: 08 8331 2415

Received: Jun 20, 2025 1:46 PM

Due: Jun 27, 2025

Priority: 5 Day

Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Acid Herbicides	Suite B14: OCP/OPP	NEPM 1999 Metals : Metals M15	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	NEPM Metals : Metals M15 (ex HexC)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X
15	TP05-01	Jun 18, 2025		Soil	M25-Jn0058942			X	X		X			X
16	TP05-02	Jun 18, 2025		Soil	M25-Jn0058943			X	X		X			X
17	TP05-05	Jun 18, 2025		Soil	M25-Jn0058944						X			X
18	TP05-06	Jun 18, 2025		Soil	M25-Jn0058945						X	X		
19	TP06-01	Jun 18, 2025		Soil	M25-Jn0058946						X		X	
20	TP06-03	Jun 18, 2025		Soil	M25-Jn0058947						X			X
21	TP06-05	Jun 18, 2025		Soil	M25-Jn0058948						X			X
22	TP07-01	Jun 18, 2025		Soil	M25-Jn0058949			X	X		X			X
23	TP07-02	Jun 18, 2025		Soil	M25-Jn0058950						X			X
24	TP07-03	Jun 18, 2025		Soil	M25-Jn0058951						X			X
25	Rinse-02	Jun 18, 2025		Water	M25-Jn0058952									X
26	TP01-02	Jun 18, 2025		Soil	M25-Jn0058953	X								
27	TP02-02	Jun 18, 2025		Soil	M25-Jn0058954	X								
28	TP02-03	Jun 18, 2025		Soil	M25-Jn0058955	X								
29	TP02-05	Jun 18, 2025		Soil	M25-Jn0058956	X								
30	TP03-03	Jun 18, 2025		Soil	M25-Jn0058957	X								
31	TP03-05	Jun 18, 2025		Soil	M25-Jn0058958	X								



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd

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Norwood
SA 5069

Project Name: SOUTHERN BAROSSA TPS

Project ID: 241606-01

Order No.:

Report #: 1235344

Phone: 08 8331 2417

Fax: 08 8331 2415

Received: Jun 20, 2025 1:46 PM

Due: Jun 27, 2025

Priority: 5 Day

Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Acid Herbicides	Suite B14: OCP/OPP	NEPM 1999 Metals : Metals M15	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	NEPM Metals : Metals M15 (ex HexC)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X
32	TP04-05	Jun 18, 2025		Soil	M25-Jn0058959	X								
33	TP04-07	Jun 18, 2025		Soil	M25-Jn0058960	X								
34	TP05-04	Jun 18, 2025		Soil	M25-Jn0058961	X								
35	TP05-07	Jun 18, 2025		Soil	M25-Jn0058962	X								
36	TP05-08	Jun 18, 2025		Soil	M25-Jn0058963	X								
37	TP06-02	Jun 18, 2025		Soil	M25-Jn0058964	X								
38	TP06-04	Jun 18, 2025		Soil	M25-Jn0058965	X								
39	TP07-04	Jun 18, 2025		Soil	M25-Jn0058966	X								
40	TP07-05	Jun 18, 2025		Soil	M25-Jn0058967	X								
41	TP07-06	Jun 18, 2025		Soil	M25-Jn0058968	X								
42	TB-02	Jun 18, 2025		Water	M25-Jn0058969	X								
Test Counts						17	1	7	6	3	23	1	4	19

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

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

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4,4'-DDD	mg/kg	< 0.05			0.05	Pass	
4,4'-DDE	mg/kg	< 0.05			0.05	Pass	
4,4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfthion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Acid Herbicides							
2,4-D	mg/kg	< 0.5			0.5	Pass	
2,4-DB	mg/kg	< 0.5			0.5	Pass	
2,4,5-T	mg/kg	< 0.5			0.5	Pass	
2,4,5-TP	mg/kg	< 0.5			0.5	Pass	
Actril (loxynil)	mg/kg	< 0.5			0.5	Pass	
Dicamba	mg/kg	< 0.5			0.5	Pass	
Dichlorprop	mg/kg	< 0.5			0.5	Pass	
Dinitro-o-cresol	mg/kg	< 0.5			0.5	Pass	
Dinoseb	mg/kg	< 0.5			0.5	Pass	
MCPA	mg/kg	< 0.5			0.5	Pass	
MCPB	mg/kg	< 0.5			0.5	Pass	
Mecoprop	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4,5-Trichlorophenol	mg/kg	< 1			1	Pass	
2,4,6-Trichlorophenol	mg/kg	< 1			1	Pass	
2,6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4,6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1.0	Pass	
2,4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Cyanide (total)	mg/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Barium	mg/kg	< 10			10	Pass	
Beryllium	mg/kg	< 2			2	Pass	
Boron	mg/kg	< 10			10	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Cobalt	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Manganese	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Selenium	mg/kg	< 2			2	Pass	
Silver	mg/kg	< 2			2	Pass	
Vanadium	mg/kg	< 10			10	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Barium	mg/kg	< 10			10	Pass	
Beryllium	mg/kg	< 2			2	Pass	
Boron	mg/kg	< 10			10	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Cobalt	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Manganese	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Selenium	mg/kg	< 2			2	Pass	
Silver	mg/kg	< 2			2	Pass	
Vanadium	mg/kg	< 10			10	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
% Clay	%	< 2.5			2.5	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Total Organic Carbon	%	< 0.1			0.1	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Volatile Organics							
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Chromium (hexavalent)	mg/kg	< 1			1	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	95			70-130	Pass	
4,4'-DDD	%	89			70-130	Pass	
4,4'-DDE	%	91			70-130	Pass	
4,4'-DDT	%	104			70-130	Pass	
a-HCH	%	85			70-130	Pass	
Aldrin	%	90			70-130	Pass	
b-HCH	%	93			70-130	Pass	
d-HCH	%	98			70-130	Pass	
Dieldrin	%	83			70-130	Pass	
Endosulfan I	%	84			70-130	Pass	
Endosulfan II	%	87			70-130	Pass	
Endosulfan sulphate	%	78			70-130	Pass	
Endrin	%	106			70-130	Pass	
Endrin aldehyde	%	90			70-130	Pass	
Endrin ketone	%	100			70-130	Pass	
g-HCH (Lindane)	%	88			70-130	Pass	
Heptachlor	%	107			70-130	Pass	
Heptachlor epoxide	%	97			70-130	Pass	
Hexachlorobenzene	%	93			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Methoxychlor	%	70			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	121			70-130	Pass	
Dimethoate	%	99			70-130	Pass	
Ethion	%	87			70-130	Pass	
Fenitrothion	%	120			70-130	Pass	
Methyl parathion	%	78			70-130	Pass	
Mevinphos	%	75			70-130	Pass	
LCS - % Recovery							
Acid Herbicides							
2,4-D	%	115			70-130	Pass	
2,4-DB	%	81			70-130	Pass	
2,4,5-T	%	90			70-130	Pass	
2,4,5-TP	%	124			70-130	Pass	
Actril (loxynil)	%	106			70-130	Pass	
Dicamba	%	117			70-130	Pass	
Dichlorprop	%	93			70-130	Pass	
Dinitro-o-cresol	%	70			70-130	Pass	
Dinoseb	%	106			70-130	Pass	
MCPA	%	121			70-130	Pass	
MCPB	%	91			70-130	Pass	
Mecoprop	%	107			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	84			70-130	Pass	
TRH >C10-C16	%	81			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	76			70-130	Pass	
Acenaphthylene	%	82			70-130	Pass	
Anthracene	%	74			70-130	Pass	
Benz(a)anthracene	%	117			70-130	Pass	
Benzo(a)pyrene	%	94			70-130	Pass	
Benzo(b&j)fluoranthene	%	77			70-130	Pass	
Benzo(g,h,i)perylene	%	99			70-130	Pass	
Benzo(k)fluoranthene	%	82			70-130	Pass	
Chrysene	%	80			70-130	Pass	
Dibenz(a,h)anthracene	%	87			70-130	Pass	
Fluoranthene	%	117			70-130	Pass	
Fluorene	%	114			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	96			70-130	Pass	
Naphthalene	%	80			70-130	Pass	
Phenanthrene	%	70			70-130	Pass	
Pyrene	%	72			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	112			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	83			25-140	Pass	
2,4-Dichlorophenol	%	62			25-140	Pass	
2,4,5-Trichlorophenol	%	86			25-140	Pass	
2,4,6-Trichlorophenol	%	71			25-140	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2,6-Dichlorophenol	%	63			25-140	Pass	
4-Chloro-3-methylphenol	%	57			25-140	Pass	
Pentachlorophenol	%	66			25-140	Pass	
Tetrachlorophenols - Total	%	94			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	%	39			25-140	Pass	
2-Methyl-4,6-dinitrophenol	%	43			25-140	Pass	
2-Nitrophenol	%	78			25-140	Pass	
2,4-Dimethylphenol	%	112			25-140	Pass	
2,4-Dinitrophenol	%	42			25-140	Pass	
2-Methylphenol (o-Cresol)	%	70			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	65			25-140	Pass	
4-Nitrophenol	%	50			25-140	Pass	
Dinoseb	%	64			25-140	Pass	
Phenol	%	73			25-140	Pass	
LCS - % Recovery							
Cyanide (total)	%	94			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	109			80-120	Pass	
Barium	%	108			80-120	Pass	
Beryllium	%	108			80-120	Pass	
Boron	%	109			80-120	Pass	
Cadmium	%	102			80-120	Pass	
Chromium	%	110			80-120	Pass	
Cobalt	%	104			80-120	Pass	
Copper	%	105			80-120	Pass	
Iron	%	112			80-120	Pass	
Lead	%	105			80-120	Pass	
Manganese	%	109			80-120	Pass	
Mercury	%	89			80-120	Pass	
Nickel	%	107			80-120	Pass	
Selenium	%	108			80-120	Pass	
Silver	%	100			80-120	Pass	
Vanadium	%	109			80-120	Pass	
Zinc	%	103			80-120	Pass	
LCS - % Recovery							
% Clay	%	118			70-130	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	87			70-130	Pass	
Total Organic Carbon	%	73			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	105			70-130	Pass	
TRH C6-C10	%	108			70-130	Pass	
Naphthalene	%	110			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	96			70-130	Pass	
Toluene	%	101			70-130	Pass	
Ethylbenzene	%	102			70-130	Pass	
m&p-Xylenes	%	91			70-130	Pass	
Xylenes - Total*	%	91			70-130	Pass	
LCS - % Recovery							
Chromium (hexavalent)	%	72			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery								
Acid Herbicides				Result 1				
2,4-D	M25-Jn0049319	NCP	%	93		70-130	Pass	
Actril (loxynil)	M25-Jn0049319	NCP	%	129		70-130	Pass	
Dichlorprop	M25-Jn0049319	NCP	%	113		70-130	Pass	
MCPA	M25-Jn0049319	NCP	%	100		70-130	Pass	
MCPB	M25-Jn0049319	NCP	%	91		70-130	Pass	
Spike - % Recovery								
Heavy Metals				Result 1				
Barium	M25-Jn0054567	NCP	%	94		75-125	Pass	
Manganese	M25-Jn0059068	NCP	%	94		75-125	Pass	
Spike - % Recovery								
Heavy Metals				Result 1				
Iron	M25-Jn0052773	NCP	%	102		75-125	Pass	
Spike - % Recovery								
Total Recoverable Hydrocarbons				Result 1				
TRH C6-C9	M25-Jn0062502	NCP	%	76		70-130	Pass	
TRH C10-C14	S25-Jn0051449	NCP	%	81		70-130	Pass	
TRH C6-C10	M25-Jn0062502	NCP	%	90		70-130	Pass	
TRH >C10-C16	S25-Jn0051449	NCP	%	80		70-130	Pass	
Naphthalene	M25-Jn0062502	NCP	%	94		70-130	Pass	
Spike - % Recovery								
BTEX				Result 1				
Benzene	M25-Jn0062502	NCP	%	77		70-130	Pass	
Toluene	M25-Jn0062502	NCP	%	80		70-130	Pass	
Ethylbenzene	M25-Jn0062502	NCP	%	84		70-130	Pass	
m&p-Xylenes	M25-Jn0062502	NCP	%	83		70-130	Pass	
o-Xylene	M25-Jn0062502	NCP	%	85		70-130	Pass	
Xylenes - Total*	M25-Jn0062502	NCP	%	84		70-130	Pass	
Spike - % Recovery								
Polycyclic Aromatic Hydrocarbons				Result 1				
Acenaphthene	M25-Jn0051564	NCP	%	94		70-130	Pass	
Acenaphthylene	M25-Jn0051564	NCP	%	104		70-130	Pass	
Anthracene	M25-Jn0051564	NCP	%	103		70-130	Pass	
Benz(a)anthracene	M25-Jn0051564	NCP	%	99		70-130	Pass	
Benzo(a)pyrene	M25-Jn0051564	NCP	%	103		70-130	Pass	
Benzo(b&j)fluoranthene	M25-Jn0051564	NCP	%	94		70-130	Pass	
Benzo(g,h,i)perylene	M25-Jn0051564	NCP	%	89		70-130	Pass	
Benzo(k)fluoranthene	M25-Jn0051564	NCP	%	102		70-130	Pass	
Chrysene	M25-Jn0051564	NCP	%	108		70-130	Pass	
Dibenz(a,h)anthracene	M25-Jn0051564	NCP	%	79		70-130	Pass	
Fluoranthene	M25-Jn0051564	NCP	%	98		70-130	Pass	
Fluorene	M25-Jn0051564	NCP	%	100		70-130	Pass	
Indeno(1,2,3-cd)pyrene	M25-Jn0051564	NCP	%	79		70-130	Pass	
Naphthalene	M25-Jn0051564	NCP	%	92		70-130	Pass	
Phenanthrene	M25-Jn0051564	NCP	%	103		70-130	Pass	
Pyrene	M25-Jn0051564	NCP	%	102		70-130	Pass	
Spike - % Recovery								
Polychlorinated Biphenyls				Result 1				
Aroclor-1016	M25-My0067679	NCP	%	112		70-130	Pass	
Aroclor-1260	M25-My0067679	NCP	%	101		70-130	Pass	
Spike - % Recovery								
Phenols (Halogenated)				Result 1				
2-Chlorophenol	M25-Jn0051564	NCP	%	68		30-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2,4-Dichlorophenol	M25-Jn0051564	NCP	%	49			30-130	Pass	
2,4,5-Trichlorophenol	M25-Jn0051564	NCP	%	70			30-130	Pass	
2,4,6-Trichlorophenol	M25-Jn0051564	NCP	%	64			30-130	Pass	
2,6-Dichlorophenol	M25-Jn0051564	NCP	%	50			30-130	Pass	
4-Chloro-3-methylphenol	M25-Jn0051564	NCP	%	50			30-130	Pass	
Pentachlorophenol	M25-Jn0051564	NCP	%	43			30-130	Pass	
Tetrachlorophenols - Total	M25-Jn0051564	NCP	%	77			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4,6-dinitrophenol	M25-Jn0051564	NCP	%	42			30-130	Pass	
2-Methyl-4,6-dinitrophenol	M25-Jn0051564	NCP	%	41			30-130	Pass	
2-Nitrophenol	M25-Jn0051564	NCP	%	68			30-130	Pass	
2,4-Dimethylphenol	M25-Jn0051564	NCP	%	92			30-130	Pass	
2,4-Dinitrophenol	M25-Jn0066549	NCP	%	31			30-130	Pass	
2-Methylphenol (o-Cresol)	M25-Jn0051564	NCP	%	56			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M25-Jn0051564	NCP	%	54			30-130	Pass	
4-Nitrophenol	M25-Jn0051564	NCP	%	46			30-130	Pass	
Dinoseb	M25-Jn0051564	NCP	%	62			30-130	Pass	
Phenol	M25-Jn0051564	NCP	%	60			30-130	Pass	
Spike - % Recovery									
				Result 1					
Chromium (hexavalent)	M25-Jn0053170	NCP	%	97			70-130	Pass	
Cyanide (total)	M25-Jn0052779	NCP	%	92			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M25-Jn0058934	CP	%	81			70-130	Pass	
Dimethoate	M25-Jn0058934	CP	%	83			70-130	Pass	
Ethion	M25-Jn0058934	CP	%	106			70-130	Pass	
Fenitrothion	M25-Jn0058934	CP	%	120			70-130	Pass	
Methyl parathion	M25-Jn0058934	CP	%	99			70-130	Pass	
Mevinphos	M25-Jn0058934	CP	%	113			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M25-Jn0058943	CP	%	100			75-125	Pass	
Beryllium	M25-Jn0058943	CP	%	92			75-125	Pass	
Boron	M25-Jn0058943	CP	%	85			75-125	Pass	
Cadmium	M25-Jn0058943	CP	%	104			75-125	Pass	
Chromium	M25-Jn0058943	CP	%	92			75-125	Pass	
Cobalt	M25-Jn0058943	CP	%	100			75-125	Pass	
Copper	M25-Jn0058943	CP	%	89			75-125	Pass	
Lead	M25-Jn0058943	CP	%	104			75-125	Pass	
Mercury	M25-Jn0058943	CP	%	108			75-125	Pass	
Nickel	M25-Jn0058943	CP	%	94			75-125	Pass	
Selenium	M25-Jn0058943	CP	%	98			75-125	Pass	
Silver	M25-Jn0058943	CP	%	114			75-125	Pass	
Vanadium	M25-Jn0058943	CP	%	89			75-125	Pass	
Zinc	M25-Jn0058943	CP	%	83			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M25-Jn0058949	CP	%	117			70-130	Pass	
4,4'-DDD	M25-Jn0058949	CP	%	125			70-130	Pass	
4,4'-DDE	M25-Jn0058949	CP	%	122			70-130	Pass	
4,4'-DDT	M25-Jn0058949	CP	%	110			70-130	Pass	
α-HCH	M25-Jn0058949	CP	%	80			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aldrin	M25-Jn0058949	CP	%	78			70-130	Pass	
b-HCH	M25-Jn0058949	CP	%	75			70-130	Pass	
d-HCH	M25-Jn0058949	CP	%	74			70-130	Pass	
Dieldrin	M25-Jn0058949	CP	%	121			70-130	Pass	
Endosulfan I	M25-Jn0058949	CP	%	86			70-130	Pass	
Endosulfan II	M25-Jn0058949	CP	%	126			70-130	Pass	
Endosulfan sulphate	M25-Jn0058949	CP	%	118			70-130	Pass	
Endrin	M25-Jn0058949	CP	%	102			70-130	Pass	
Endrin aldehyde	M25-Jn0058949	CP	%	114			70-130	Pass	
Endrin ketone	M25-Jn0058949	CP	%	116			70-130	Pass	
g-HCH (Lindane)	M25-Jn0058949	CP	%	79			70-130	Pass	
Heptachlor	M25-Jn0058949	CP	%	76			70-130	Pass	
Heptachlor epoxide	M25-Jn0058949	CP	%	77			70-130	Pass	
Hexachlorobenzene	M25-Jn0058949	CP	%	79			70-130	Pass	
Methoxychlor	M25-Jn0058949	CP	%	118			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M25-Jn0058929	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	M25-Jn0058929	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Ethion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethoprop	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethyl parathion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenitrothion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fensulfothion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenthion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Malathion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Merphos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Methyl parathion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Mevinphos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Monocrotophos	M25-Jn0058929	CP	mg/kg	< 2	< 2	<1	30%	Pass
Naled	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Omethoate	M25-Jn0058929	CP	mg/kg	< 2	< 2	<1	30%	Pass
Phorate	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pirimiphos-methyl	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pyrazophos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ronnel	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Terbufos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tetrachlorvinphos	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tokuthion	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Trichloronate	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Duplicate								
Acid Herbicides				Result 1	Result 2	RPD		
2,4-D	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-DB	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-T	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-TP	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Actril (ioxynil)	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dicamba	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dichlorprop	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dinitro-o-cresol	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dinoseb	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
MCPA	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
MCPB	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Mecoprop	M25-Jn0054150	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M25-Jn0058657	NCP	mg/kg	3.3	4.0	19	30%	Pass
Barium	M25-Jn0058657	NCP	mg/kg	420	410	2.0	30%	Pass
Beryllium	M25-Jn0058657	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Boron	M25-Jn0058657	NCP	mg/kg	< 10	< 10	<1	30%	Pass
Cadmium	M25-Jn0058657	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M25-Jn0058657	NCP	mg/kg	87	95	9.0	30%	Pass
Cobalt	M25-Jn0058657	NCP	mg/kg	45	47	5.0	30%	Pass
Copper	M25-Jn0058657	NCP	mg/kg	41	37	10	30%	Pass
Lead	M25-Jn0058657	NCP	mg/kg	12	11	9.0	30%	Pass
Manganese	M25-Jn0058657	NCP	mg/kg	1400	1900	28	30%	Pass
Mercury	M25-Jn0058657	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M25-Jn0058657	NCP	mg/kg	140	150	13	30%	Pass
Selenium	M25-Jn0058657	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Vanadium	M25-Jn0058657	NCP	mg/kg	100	120	19	30%	Pass
Zinc	M25-Jn0058657	NCP	mg/kg	69	67	3.0	30%	Pass
Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M25-Jn0058880	NCP	%	8.3	10	20	30%	Pass

Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Acenaphthylene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Anthracene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benz(a)anthracene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(a)pyrene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(b&j)fluoranthene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(g,h,i)perylene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Total PCB*	M25-Jn0058929	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	M25-Jn0058929	CP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	M25-Jn0058929	CP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	M25-Jn0058929	CP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	M25-Jn0058929	CP	mg/kg	< 1	< 1	<1	30%	Pass
Tetrachlorophenols - Total	M25-Jn0058929	CP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	M25-Jn0058929	CP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	M25-Jn0058929	CP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	M25-Jn0058929	CP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	M25-Jn0058929	CP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	M25-Jn0058929	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	M25-Jn0058929	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
4-Nitrophenol	M25-Jn0058929	CP	mg/kg	< 5	< 5	<1	30%	Pass
Dinoseb	M25-Jn0058929	CP	mg/kg	< 20	< 20	<1	30%	Pass
Phenol	M25-Jn0058929	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C10-C14	S25-Jn0051450	NCP	mg/kg	< 20	< 20	<1	30%	Pass
TRH C15-C28	S25-Jn0051450	NCP	mg/kg	< 50	< 50	<1	30%	Pass
TRH C29-C36	S25-Jn0051450	NCP	mg/kg	< 50	< 50	<1	30%	Pass
TRH >C10-C16	S25-Jn0051450	NCP	mg/kg	< 50	< 50	<1	30%	Pass

Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH >C16-C34	S25-Jn0051450	NCP	mg/kg	< 100	< 100	<1	30%	Pass
TRH >C34-C40	S25-Jn0051450	NCP	mg/kg	< 100	< 100	<1	30%	Pass
Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Acenaphthylene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Anthracene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benz(a)anthracene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(a)pyrene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(b&j)fluoranthene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(g,h,i)perylene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Total PCB*	S25-Jn0051450	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	S25-Jn0051450	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	S25-Jn0051450	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	S25-Jn0051450	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	S25-Jn0051450	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Tetrachlorophenols - Total	S25-Jn0051450	NCP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	S25-Jn0051450	NCP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	S25-Jn0051450	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	S25-Jn0051450	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	S25-Jn0051450	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	S25-Jn0051450	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	S25-Jn0051450	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
4-Nitrophenol	S25-Jn0051450	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Dinoseb	S25-Jn0051450	NCP	mg/kg	< 20	< 20	<1	30%	Pass
Phenol	S25-Jn0051450	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass

Duplicate								
				Result 1	Result 2	RPD		
Chromium (hexavalent)	M25-Jn0058382	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Cyanide (total)	M25-Jn0052778	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M25-Jn0058937	CP	%	17	14	20	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M25-Jn0058943	CP	mg/kg	4.4	4.4	1.0	30%	Pass
Barium	M25-Jn0058943	CP	mg/kg	180	180	2.0	30%	Pass
Beryllium	M25-Jn0058943	CP	mg/kg	< 2	< 2	<1	30%	Pass
Boron	M25-Jn0058943	CP	mg/kg	< 10	< 10	<1	30%	Pass
Cadmium	M25-Jn0058943	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M25-Jn0058943	CP	mg/kg	45	48	5.0	30%	Pass
Cobalt	M25-Jn0058943	CP	mg/kg	15	15	2.0	30%	Pass
Copper	M25-Jn0058943	CP	mg/kg	36	38	5.0	30%	Pass
Iron	M25-Jn0058943	CP	mg/kg	28000	29000	5.0	30%	Pass
Lead	M25-Jn0058943	CP	mg/kg	14	14	<1	30%	Pass
Manganese	M25-Jn0058943	CP	mg/kg	550	570	5.0	30%	Pass
Mercury	M25-Jn0058943	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M25-Jn0058943	CP	mg/kg	16	17	4.0	30%	Pass
Selenium	M25-Jn0058943	CP	mg/kg	< 2	< 2	<1	30%	Pass
Silver	M25-Jn0058943	CP	mg/kg	< 2	< 2	<1	30%	Pass
Vanadium	M25-Jn0058943	CP	mg/kg	62	66	5.0	30%	Pass
Zinc	M25-Jn0058943	CP	mg/kg	43	43	1.0	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Conductivity (1:5 aqueous extract at 25 °C as rec.)	M25-Jn0057156	NCP	uS/cm	85	86	1.0	30%	Pass
Total Organic Carbon	M25-Jn0052880	NCP	%	0.9	0.6	30	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Iron (%)	M25-Jn0059255	NCP	%	0.27	0.27	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C6-C9	M25-Jn0058946	CP	mg/kg	< 20	< 20	<1	30%	Pass
TRH C6-C10	M25-Jn0058946	CP	mg/kg	< 20	< 20	<1	30%	Pass
Naphthalene	M25-Jn0058946	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
BTEX				Result 1	Result 2	RPD		
Benzene	M25-Jn0058946	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Toluene	M25-Jn0058946	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Ethylbenzene	M25-Jn0058946	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
m&p-Xylenes	M25-Jn0058946	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
o-Xylene	M25-Jn0058946	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Xylenes - Total*	M25-Jn0058946	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass
Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Tetrachloroethene	M25-Jn0058946	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M25-Jn0058947	CP	%	15	12	19	30%	Pass

Comments

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs

Authorised by:

Catherine Wilson	Analytical Services Manager
Caitlin Breeze	Senior Analyst-Inorganic
Carroll Lee	Senior Analyst-Organic
Carroll Lee	Senior Analyst-Volatile
Edward Lee	Senior Analyst-Organic
Emily Rosenberg	Senior Analyst-Metal
Luke Holt	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Mary Makarios	Senior Analyst-Sample Properties
Sheha Prakash	Senior Analyst-Organic



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please [click here](#).

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Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

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

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402

Sample Receipt Advice

Company name: LBW co Pty Ltd
Contact name: Stuart Taylor
Project name: SOUTHERN BAROSSA TPS
Project ID: 241606-01
Turnaround time: 5 Day
Date/Time received: Jun 20, 2025 1:46 PM
Eurofins reference: 1235344

Sample Information

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

Notes

PLEASE CONFIRM TEST FOR TB

Contact

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

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Stuart Taylor - stuart.taylor@lbwco.com.au.

Note: A copy of these results will also be delivered to the general LBW co Pty Ltd email address.



Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079
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Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554
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Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Project Name: SOUTHERN BAROSSA TPS
Project ID: 241606-01

Order No.:
Report #: 1235344
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 20, 2025 1:46 PM
Due: Jun 27, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Acid Herbicides	Suite B14: OCP/OPP	NEPM 1999 Metals : Metals M15	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	NEPM Metals : Metals M15 (ex HexCr)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X
External Laboratory							X							
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID									
1	TP05-03	Jun 18, 2025		Soil	M25-Jn0058928		X							
2	TP01-01	Jun 18, 2025		Soil	M25-Jn0058929			X	X		X			X
3	TP01-03	Jun 18, 2025		Soil	M25-Jn0058930						X			X
4	TP02-01	Jun 18, 2025		Soil	M25-Jn0058931					X	X		X	
5	TP02-04	Jun 18, 2025		Soil	M25-Jn0058932						X			X
6	TP03-01	Jun 18, 2025		Soil	M25-Jn0058933			X		X	X		X	
7	TP03-02	Jun 18, 2025		Soil	M25-Jn0058934			X	X		X			X
8	TP03-04	Jun 18, 2025		Soil	M25-Jn0058935						X			X
9	TP03-06	Jun 18, 2025		Soil	M25-Jn0058936						X			X
10	TP04-01	Jun 18, 2025		Soil	M25-Jn0058937			X	X		X			X
11	TP04-02	Jun 18, 2025		Soil	M25-Jn0058938						X			X
12	TP04-03	Jun 18, 2025		Soil	M25-Jn0058939						X			X
13	TP04-04	Jun 18, 2025		Soil	M25-Jn0058940					X	X		X	
14	TP04-06	Jun 18, 2025		Soil	M25-Jn0058941						X			X



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

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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Company Name: LBW co Pty Ltd
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Project Name: SOUTHERN BAROSSA TPS
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Report #: 1235344
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 20, 2025 1:46 PM
Due: Jun 27, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Acid Herbicides	Suite B14: OCP/OPP	NEPM 1999 Metals : Metals M15	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	NEPM Metals : Metals M15 (ex HexC)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X
15	TP05-01	Jun 18, 2025		Soil	M25-Jn0058942			X	X		X			X
16	TP05-02	Jun 18, 2025		Soil	M25-Jn0058943			X	X		X			X
17	TP05-05	Jun 18, 2025		Soil	M25-Jn0058944						X			X
18	TP05-06	Jun 18, 2025		Soil	M25-Jn0058945						X	X		
19	TP06-01	Jun 18, 2025		Soil	M25-Jn0058946						X		X	
20	TP06-03	Jun 18, 2025		Soil	M25-Jn0058947						X			X
21	TP06-05	Jun 18, 2025		Soil	M25-Jn0058948						X			X
22	TP07-01	Jun 18, 2025		Soil	M25-Jn0058949			X	X		X			X
23	TP07-02	Jun 18, 2025		Soil	M25-Jn0058950						X			X
24	TP07-03	Jun 18, 2025		Soil	M25-Jn0058951						X			X
25	Rinse-02	Jun 18, 2025		Water	M25-Jn0058952									X
26	TP01-02	Jun 18, 2025		Soil	M25-Jn0058953	X								
27	TP02-02	Jun 18, 2025		Soil	M25-Jn0058954	X								
28	TP02-03	Jun 18, 2025		Soil	M25-Jn0058955	X								
29	TP02-05	Jun 18, 2025		Soil	M25-Jn0058956	X								
30	TP03-03	Jun 18, 2025		Soil	M25-Jn0058957	X								
31	TP03-05	Jun 18, 2025		Soil	M25-Jn0058958	X								



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

ABN: 50 005 085 521

ABN: 91 05 0159 898

NZBN: 9429046024954

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
---	--	--	--	--	--	--	--	--	---	--

Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Order No.:
Report #: 1235344
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jun 20, 2025 1:46 PM
Due: Jun 27, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Project Name: SOUTHERN BAROSSA TPS
Project ID: 241606-01

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	Split - External Lab*	Acid Herbicides	Suite B14: OCP/OPP	NEPM 1999 Metals : Metals M15	Moisture Set	NEPM Screen for Soil Classification	SA Waste Screen	NEPM Metals : Metals M15 (ex HexC)
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X	X	X	X
32	TP04-05	Jun 18, 2025		Soil	M25-Jn0058959	X								
33	TP04-07	Jun 18, 2025		Soil	M25-Jn0058960	X								
34	TP05-04	Jun 18, 2025		Soil	M25-Jn0058961	X								
35	TP05-07	Jun 18, 2025		Soil	M25-Jn0058962	X								
36	TP05-08	Jun 18, 2025		Soil	M25-Jn0058963	X								
37	TP06-02	Jun 18, 2025		Soil	M25-Jn0058964	X								
38	TP06-04	Jun 18, 2025		Soil	M25-Jn0058965	X								
39	TP07-04	Jun 18, 2025		Soil	M25-Jn0058966	X								
40	TP07-05	Jun 18, 2025		Soil	M25-Jn0058967	X								
41	TP07-06	Jun 18, 2025		Soil	M25-Jn0058968	X								
42	TB-02	Jun 18, 2025		Water	M25-Jn0058969	X								
Test Counts						17	1	7	6	3	23	1	4	19

Project Title : Southern Barossa TPs
Job Number/
Project ID : 241606-01
Project Manager: S.Taylor
Email: Stuart.taylor@lbwco.com.au
Phone: 08 8331 2417
Results to: results@lbwco.com.au, lbwco@esdat.com.au
Invoice to: finance@lbwco.com.au

Primary Laboratory:	Eurofins
Laboratory Quote Ref:	Pricebook 2023
Secondary Laboratory:	EnviroLab
Laboratory Quote Ref:	LBW Pricelist

Turn Around Time

Standard

https://lbwcoenvironment.sharepoint.com/sites/Projects/Shared Documents/2024/241606A-01 Southern Barossa Winery & Tourist Accommodation Project - Soil Investigations/COC/241606A-01_LTO000505247.xls



Outlook

Fw: 241606-01 LTO

From Karl Bulow <Karl.Bulow@eurofinsanz.com>
Date Fri 20/6/25 1:46 PM
To SH_AU_CAU001_EnviroSampleVic <EnviroSampleVic@eurofinsanz.com>
Cc Matt Fitzgerald <matt.fitzgerald@lbwco.com.au>; Stuart Taylor <stuart.taylor@lbwco.com.au>
1 attachment (116 KB)
241606A-01_LTO_20250620.pdf;

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

[@SH_AU_CAU001_EnviroSampleVic](#) - Please see attached COC for samples in Melbourne.

Kind Regards,

Karl Bulow
Analytical Services Manager

Eurofins | Environment Testing
6 Monterey Rd
Dandenong South, VIC, 3175

Mobile : 0477 574 867
Email : karl.bulow@eurofinsanz.com

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From: Matt Fitzgerald <matt.fitzgerald@lbwco.com.au>
Sent: Friday, June 20, 2025 12:13 PM
To: Karl Bulow <Karl.Bulow@eurofinsanz.com>
Cc: Stuart Taylor <stuart.taylor@lbwco.com.au>
Subject: 241606-01 LTO

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Hi Karl,

Find attached LTO for soils samples which should have arrived in Melbs this morning

Kind Regards



Matt Fitzgerald
Senior Environmental Consultant | Field Team Leader
08 8331 2417 0401 167 022
matt.fitzgerald@lbwco.com.au
 Kaurna Country, 184 Magill Rd, Norwood SA, 5067
 Adelaide | **Brisbane** | **United Kingdom**



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SAMPLE REGISTER & CHAIN OF CUSTODY

Project Title: Southern Barossa TPs
Job Number: 241606A-01
Project manager: S. Taylor
Email: Stuart.Taylor@lbwco.com.au
Phone: 8331 2417
Send results to: results@lbwco.com.au
Send invoice to: finance@lbwco.com.au

Primary Lab: Eurofins
Lab Quote Ref:

Secondary lab: Envirolab

COC Reference: 241606A-01-COC-20250618
 (sample delivery group)

Sample Details 1

TP01-01

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP01-02

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP01-03

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP02-01

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP02-02

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP02-03

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP02-04

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP02-05

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP03-01

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP03-02

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

Sample Details 2

TP03-03

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP03-04

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP03-05

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP03-06

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP04-01

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP04-02

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP04-03

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP04-04

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP04-05

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP04-06

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

Sample Custody - Step 1

Relinquished by:

M. Fitzgerald

Date/Time Relinquished:

19.6.25

Signature:

Courier and consignment number:

Received by:

Michael Young

Date/Time Received:

19/6/25 3pm

Signature:

my

Sample Custody - Step 2

Relinquished by:

On IB

Date/Time Relinquished:

12.7

Signature:

12.7c

Courier and consignment number:

Received by:

Date/Time Received:

Signature:

SAMPLE REGISTER & CHAIN OF CUSTODY

Project Title: Southern Barossa TPs
Job Number: 241606A-01
Project manager: S. Taylor
Email: Stuart.Taylor@lbwco.com.au
Phone: 8331 2417
Send results to: results@lbwco.com.au
Send invoice to: finance@lbwco.com.au

Primary Lab: Eurofins
Lab Quote Ref:

Secondary lab: EnviroLab

COC Reference: 241606A-01-COC-20250618
(sample delivery group)

Sample Details 1

TP04-07

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-01

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-02

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-03

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-04

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-05

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-06

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-07

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP05-08

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP06-01

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

Sample Details 2

TP06-02

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP06-03

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP06-04

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP06-05

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP07-01

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP07-02

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP07-03

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP07-04

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP07-05

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TP07-06

LBW Job#: 241606A-01
Matrix: Soil
Date: 18.06.2025

TB-02

LBW Job#: 241606A-01
Matrix: Water
Date: 18.06.2025

Sample Custody - Step 1

Relinquished by:

M. Fitzgerald

Date/Time Relinquished:

19.6.25

Signature:

[Signature]

Courier and consignment number:

Received by:

Michael Young

Date/Time Received:

19/6/25

Signature:

[Signature]

Sample Custody - Step 2

Relinquished by:

Date/Time Relinquished:

Signature:

Courier and consignment number:

Received by:

Date/Time Received:

Signature:



Outlook

Fwr: 241606-01 LTO

From: Karl Bulow <Karl.Bulow@eurofinsanz.com>
Date: Fri 20/6/25 1:46 PM
To: SH_AU_CAU001_EnviroSampleVic <EnviroSampleVic@eurofinsanz.com>
Cc: Matt Fitzgerald <matt.fitzgerald@bwco.com.au>; Stuart Taylor <stuart.taylor@bwco.com.au>
1 attachment (116 KB)
241606A-01_LTO_20250620.pdf

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Thanks Matt.

[@SH_AU_CAU001_EnviroSampleVic](#) - Please see attached COC for samples in Melbourne.

Kind Regards,

Karl Bulow
Analytical Services Manager

Eurofins | Environment Testing
6 Monterey Rd
Dandenong South, VIC, 3175

Mobile : 0477 574 867
Email : karl.bulow@eurofinsanz.com

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From: Matt Fitzgerald <matt.fitzgerald@bwco.com.au>
Sent: Friday, June 20, 2025 12:13 PM
To: Karl Bulow <Karl.Bulow@eurofinsanz.com>
Cc: Stuart Taylor <stuart.taylor@bwco.com.au>
Subject: 241606-01 LTO

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Hi Karl,

Find attached LTO for soils samples which should have arrived in Melbs this morning

Kind Regards



Matt Fitzgerald
Senior Environmental Consultant | Field Team Leader
08 8331 2417 0401 167 022
matt.fitzgerald@bwco.com.au
 Karna Country, 184 Magill Rd, Norwood SA, 5067
 Adelaide | **Brisbane** | **United Kingdom**



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Certificate of Analysis MGF0375

Client Details

Client	LBW Co Pty Ltd
Contact	Stuart Taylor
Address	184 Magill Road, NORWOOD, SA, 5067

Sample Details

Your Reference	241606-01
Number of Samples	1 Soil
Date Samples Received	23/06/2025
Date Instructions Received	23/06/2025

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for soils and on an as received basis for other matrices.

Report Details

Date Final Results Expected	30/06/2025
Date of Issue	30/06/2025

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

Authorisation Details

Results Approved By	Chris De Luca, Lab Manager Maggie Hu, Organics Supervisor Tara White, Metals Supervisor
Laboratory Manager	Chris De Luca

Certificate of Analysis MGF0375

Samples in this Report

Envirolab ID	Sample ID	Matrix	Date Sampled	Date Received
MGF0375-01	TP05-03	Soil	18/06/2025	23/06/2025

Certificate of Analysis MGF0375

Organochlorine Pesticides (Soil)

Envirolab ID Your Reference Date Sampled	Units	PQL	MGF0375-01 TP05-03 18/06/2025
alpha-BHC	mg/kg	0.10	<0.10
Hexachlorobenzene	mg/kg	0.10	<0.10
beta-BHC	mg/kg	0.10	<0.10
gamma-BHC	mg/kg	0.10	<0.10
delta-BHC	mg/kg	0.10	<0.10
Heptachlor	mg/kg	0.10	<0.10
Aldrin	mg/kg	0.10	<0.10
Heptachlor epoxide	mg/kg	0.10	<0.10
trans-Chlordane	mg/kg	0.10	<0.10
cis-Chlordane	mg/kg	0.10	<0.10
Endosulfan I	mg/kg	0.10	<0.10
4,4'-DDE	mg/kg	0.10	<0.10
Dieldrin	mg/kg	0.10	<0.10
Endrin	mg/kg	0.10	<0.10
4,4'-DDD	mg/kg	0.10	<0.10
Endosulfan II	mg/kg	0.10	<0.10
Endrin aldehyde	mg/kg	0.10	<0.10
4,4'-DDT	mg/kg	0.10	<0.10
Endosulfan sulfate	mg/kg	0.10	<0.10
Endrin ketone	mg/kg	0.10	<0.10
Methoxychlor	mg/kg	0.10	<0.10
Mirex	mg/kg	0.10	<0.10
Total +ve DDT+DDD+DDE	mg/kg	0.10	<0.10
Total +ve Aldrin + Dieldrin	mg/kg	0.10	<0.10
Total +ve OCP	mg/kg	0.10	<0.10
Surrogate 4-chloro-3-nitrobenzotrifluoride	%		95.6

Certificate of Analysis MGF0375

Organophosphorus Pesticides (Soil)

Envirolab ID Your Reference Date Sampled	Units	PQL	MGF0375-01 TP05-03 18/06/2025
Dichlorvos	mg/kg	0.10	<0.10
Dimethoate	mg/kg	0.10	<0.10
Diazinon	mg/kg	0.10	<0.10
Chlorpyrifos-methyl	mg/kg	0.10	<0.10
Ronnel	mg/kg	0.10	<0.10
Fenitrothion	mg/kg	0.10	<0.10
Malathion	mg/kg	0.10	<0.10
Chlorpyrifos	mg/kg	0.10	<0.10
Parathion	mg/kg	0.10	<0.10
Bromophos-ethyl	mg/kg	0.10	<0.10
Ethion	mg/kg	0.10	<0.10
Coumaphos	mg/kg	0.10	<0.10
Disulfoton	mg/kg	0.10	<0.10
Fenamiphos	mg/kg	0.10	<0.10
Fenthion	mg/kg	0.10	<0.10
Methidathion	mg/kg	0.10	<0.10
Mevinphos	mg/kg	0.10	<0.10
Parathion-methyl	mg/kg	0.10	<0.10
Phorate	mg/kg	0.10	<0.10
Phosalone	mg/kg	0.10	<0.10
Azinphos-methyl	mg/kg	0.10	<0.10
Surrogate 4-chloro-3-nitrobenzotrifluoride	%		95.6

Certificate of Analysis MGF0375

Phenoxy Acid Herbicides (Soil)

Envirolab ID Your Reference Date Sampled	Units	PQL	MGF0375-01 TP05-03 18/06/2025
Clopyralid	mg/kg	0.50	<0.50
3,5-Dichlorobenzoic acid	mg/kg	0.50	<0.50
2-Chlorophenoxy acetic acid	mg/kg	0.50	<0.50
4-Chlorophenoxy acetic acid	mg/kg	0.50	<0.50
Dicamba	mg/kg	0.50	<0.50
Mecoprop	mg/kg	0.50	<0.50
MCPA	mg/kg	0.50	<0.50
2,6-D	mg/kg	0.50	<0.50
Dichlorprop	mg/kg	0.50	<0.50
2,4-D	mg/kg	0.50	<0.50
Bromoxynil	mg/kg	0.50	<0.50
Triclopyr	mg/kg	0.50	<0.50
2,4,6-T	mg/kg	0.50	<0.50
2,4,5-TP	mg/kg	0.50	<0.50
2,4,5-T	mg/kg	0.50	<0.50
MCPB	mg/kg	0.50	<0.50
Dinoseb	mg/kg	1.0	<1.0
2,4-DB	mg/kg	0.50	<0.50
Ioxynil	mg/kg	1.0	<1.0
Picloram	mg/kg	0.50	<0.50
Acifluorfen	mg/kg	2.0	<2.0
Fluroxypyr	mg/kg	1.0	<1.0
Chloramben	mg/kg	1.0	<1.0
Bentazon	mg/kg	1.0	<1.0
Surrogate 2,4-DCPA	%		83.6

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Acid Extractable Metals (Soil)

Envirolab ID Your Reference Date Sampled	Units	PQL	MGF0375-01 TP05-03 18/06/2025
Silver	mg/kg	1.0	<1.0
Arsenic	mg/kg	4.0	<4.0
Boron	mg/kg	10	<10
Barium	mg/kg	1.0	130
Beryllium	mg/kg	1.0	<1.0
Cadmium	mg/kg	0.40	<0.40
Cobalt	mg/kg	1.0	11
Chromium	mg/kg	1.0	32
Copper	mg/kg	1.0	24
Mercury	mg/kg	0.10	<0.10
Manganese	mg/kg	1.0	430
Molybdenum	mg/kg	1.0	<1.0
Nickel	mg/kg	1.0	11
Lead	mg/kg	1.0	10
Selenium	mg/kg	2.0	<2.0
Tin	mg/kg	2.0	<2.0
Zinc	mg/kg	1.0	31

Certificate of Analysis MGF0375

Inorganics - Moisture (Soil)

Envirolab ID	Units	PQL	MGF0375-01
Your Reference			TP05-03
Date Sampled			18/06/2025
Moisture	%	0.10	14

Certificate of Analysis MGF0375

Method Summary

Method ID	Methodology Summary
INORG-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
METALS-020	Determination of various metals by ICP-OES. 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.
METALS-021	Determination of Mercury by Cold Vapour AAS.
ORG-022	Determination of semi-volatile organic compounds (SVOCs) by GC-MS. Water samples are extracted by LLE and soils using DCM/Acetone/Methanol.
ORG-022_OC	Determination of semi-volatile organic compounds (SVOCs) by GC-MS. Water samples are extracted by LLE and soils using DCM/Acetone/Methanol.

Certificate of Analysis MGF0375

Result Definitions

Identifier	Description
NR	Not reported
NEPM	National Environment Protection Measure
NS	Not specified
LCS	Laboratory Control Sample
RPD	Relative Percent Difference
>	Greater than
<	Less than
PQL	Practical Quantitation Limit
INS	Insufficient sample for this test
NA	Test not required
NT	Not tested
DOL	Samples rejected due to particulate overload (air filters only)
RFD	Samples rejected due to filter damage (air filters only)
RUD	Samples rejected due to uneven deposition (air filters only)
##	Indicates a laboratory acceptance criteria outlier, for further details, see Result Comments and/or QC Comments

Quality Control Definitions

Blank

This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, and is determined by processing solvents and reagents in exactly the same manner as for samples.

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.

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.

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.

Duplicate

This is the complete duplicate analysis of a sample from the process batch. The sample selected should be one where the analyte concentration is easily measurable.

Certificate of Analysis MGF0375

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.

General Acceptance Criteria (GAC) - Analyte specific criteria applies for some analytes and is reflected in QC recovery tables.

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 QAQC tables for details (available on request); <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase. Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-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 typically insufficient in order to satisfy laboratory QA/QC protocols.

Miscellaneous Information

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. We have taken the sampling date as being the date received at the laboratory.

Two significant figures are reported for the majority of tests and with a high degree of confidence, for results <10*PQL, the second significant figure may be in doubt i.e. has a relatively high degree of uncertainty and is provided for information only.

Measurement Uncertainty estimates are available for most tests upon request.

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 or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS where sediment/solids are included by default.

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

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volume(s) 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.

Data Quality Assessment Summary MGF0375

Client Details

Client	LBW Co Pty Ltd
Your Reference	241606-01
Date Issued	30/06/2025

Recommended Holding Time Compliance

No recommended holding time exceedances

Quality Control and QC Frequency

QC Type	Compliant	Details
Blank	Yes	No Outliers
LCS	Yes	No Outliers
Duplicates	No	Duplicate Outliers Exist - See detailed list below
Matrix Spike	Yes	No Outliers
Surrogates / Extracted Internal Standards	Yes	No Outliers
QC Frequency	Yes	No Outliers

Surrogates/Extracted Internal Standards, Duplicates and/or Matrix Spikes are not always relevant/applicable to certain analyses and matrices. Therefore, said QC measures are deemed compliant in these situations by default. See Laboratory Acceptance Criteria for more information

Data Quality Assessment Summary MGF0375

Recommended Holding Time Compliance

Analysis	Sample Number(s)	Date Sampled	Date Extracted	Date Analysed	Compliant
OCP Soil	1	18/06/2025	24/06/2025	27/06/2025	Yes
OPP (21 list) Soil	1	18/06/2025	24/06/2025	27/06/2025	Yes
Phenoxy Acid Herbicides Soil	1	18/06/2025	24/06/2025	27/06/2025	Yes
Metals Soil	1	18/06/2025	24/06/2025	27/06/2025	Yes
Metals-Hg Soil	1	18/06/2025	24/06/2025	27/06/2025	Yes
Moisture Soil	1	18/06/2025	24/06/2025	30/06/2025	Yes

Outliers: Duplicates

METALS-020 | Acid Extractable Metals (Soil) | Batch BGF3782

Sample ID	Duplicate ID	Analyte	% Limits	RPD
BGF3782-DUP3#	DUP3	Barium	40.00	77.1[1]
BGF3782-DUP3#	DUP3	Copper	40.00	53.0[1]
BGF3782-DUP3#	DUP3	Manganese	40.00	88.5[1]
BGF3782-DUP3#	DUP3	Zinc	40.00	58.8[1]

Quality Control MGF0375

ORG-022_OC | Organochlorine Pesticides (Soil) | Batch BGF3783

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGF3783-DUP1#	BGF3783-DUP2#		
				Samp QC RPD %	Samp QC RPD %		
alpha-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		98.9	94.9
Hexachlorobenzene	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
beta-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		97.3	89.7
gamma-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
delta-BHC	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Heptachlor	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		75.0	79.8
Aldrin	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		89.8	92.0
Heptachlor epoxide	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		107	112
trans-Chlordane	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
cis-Chlordane	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Endosulfan I	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
4,4'-DDE	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		103	106
Dieldrin	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		94.4	101
Endrin	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		94.8	106
4,4'-DDD	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		134	132
Endosulfan II	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Endrin aldehyde	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
4,4'-DDT	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Endosulfan sulfate	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		76.2	81.8
Endrin ketone	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Methoxychlor	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Mirex	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		[NA]	[NA]
Surrogate 4-chloro-3-nitrobenzotrifluoride	%		102	97.8 / 95.0		100	99.4

Analyte	Units	PQL	Blank	DUP3	DUP4	LCS %
				BGF3783-DUP3#	BGF3783-DUP4#	
				Samp QC RPD %	Samp QC RPD %	
alpha-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Hexachlorobenzene	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
beta-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
gamma-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
delta-BHC	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Heptachlor	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Aldrin	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Heptachlor epoxide	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
trans-Chlordane	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
cis-Chlordane	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endosulfan I	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
4,4'-DDE	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Dieldrin	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endrin	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
4,4'-DDD	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endosulfan II	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endrin aldehyde	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
4,4'-DDT	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endosulfan sulfate	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Endrin ketone	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Methoxychlor	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Mirex	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Surrogate 4-chloro-3-nitrobenzotrifluoride	%			100 / 101		[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control MGF0375

ORG-022 | Organophosphorus Pesticides (Soil) | Batch BGF3783

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %
				BGF3783-DUP1#		BGF3783-DUP2#			
				Samp	QC RPD %	Samp	QC RPD %		
Dichlorvos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			109	68.3
Dimethoate	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Diazinon	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Chlorpyrifos-methyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			97.0	95.8
Ronnel	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			101	103
Fenitrothion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			92.6	104
Malathion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			103	105
Chlorpyrifos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			103	107
Parathion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			83.1	89.4
Bromophos-ethyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Ethion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			101	115
Coumaphos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Disulfoton	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Fenamiphos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Fenthion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Methidathion	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Mevinphos	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Parathion-methyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Phorate	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Phosalone	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Azinphos-methyl	mg/kg	0.10	<0.10	<0.10	<0.10 [NA]			[NA]	[NA]
Surrogate	%		102	97.8 / 95.0				100	99.4
4-chloro-3-nitrobenzotrifluoride									

Analyte	Units	PQL	Blank	DUP3			DUP4			LCS %
				BGF3783-DUP3#			BGF3783-DUP4#			
				Samp	QC	RPD %	Samp	QC	RPD %	
Dichlorvos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Dimethoate	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Diazinon	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Chlorpyrifos-methyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Ronnel	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Fenitrothion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Malathion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Chlorpyrifos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Parathion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Bromophos-ethyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Ethion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Coumaphos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Disulfoton	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Fenamiphos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Fenthion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Methidathion	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Mevinphos	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Parathion-methyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Phorate	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Phosalone	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Azinphos-methyl	mg/kg	0.1		<0.10	<0.10	[NA]				[NA]
Surrogate 4-chloro-3-nitrobenzotrifluoride	%			100 / 101						[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control MGF0375

ORG-022 | Phenoxy Acid Herbicides (Soil) | Batch BGF3784

Analyte	Units	PQL	Blank	DUP1		LCS %	Spike %
				MGF0375-01			
				Samp	QC RPD %		
Clopyralid	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
3,5-Dichlorobenzoic acid	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
2-Chlorophenoxy acetic acid	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
4-Chlorophenoxy acetic acid	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
Dicamba	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	92.5	81.6
Mecoprop	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	90.6	71.1
MCPA	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	94.0	78.7
2,6-D	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
Dichlorprop	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
2,4-D	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	87.6	78.1
Bromoxynil	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
Triclopyr	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
2,4,6-T	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
2,4,5-TP	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
2,4,5-T	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	89.7	70.7
MCPB	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
Dinoseb	mg/kg	1.0	<1.0	<1.0	<1.0 [NA]	[NA]	[NA]
2,4-DB	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
Ioxynil	mg/kg	1.0	<1.0	<1.0	<1.0 [NA]	[NA]	[NA]
Picloram	mg/kg	0.50	<0.50	<0.50	<0.50 [NA]	[NA]	[NA]
Acifluorfen	mg/kg	2.0	<2.0	<2.0	<2.0 [NA]	[NA]	[NA]
Fluroxypyr	mg/kg	1.0	<1.0	<1.0	<1.0 [NA]	[NA]	[NA]
Chloramben	mg/kg	1.0	<1.0	<1.0	<1.0 [NA]	[NA]	[NA]
Bentazon	mg/kg	1.0	<1.0	<1.0	<1.0 [NA]	[NA]	[NA]
Surrogate 2,4-DCPA	%		77.4	83.6 / 81.0		83.7	80.8

Quality Control MGF0375

METALS-020 | Acid Extractable Metals (Soil) | Batch BGF3782

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike % BGF3782-MS1#
				BGF3782-DUP1#	BGF3782-DUP2#		
				Samp QC RPD %	Samp QC RPD %		
Arsenic	mg/kg	4.0	<4.0	4.11 4.78 [NA]		101	89.9
Barium	mg/kg	1.0	<1.0	38.9 43.3 10.7		101	105
Beryllium	mg/kg	1.0	<1.0	<1.0 <1.0 [NA]		102	90.8
Boron	mg/kg	10	<10	<10 <10 [NA]		99.4	90.4
Cadmium	mg/kg	0.40	<0.40	<0.40 <0.40 [NA]		105	86.5
Chromium	mg/kg	1.0	<1.0	26.0 27.5 5.65		101	96.2
Cobalt	mg/kg	1.0	<1.0	5.90 6.16 4.31		100	87.7
Copper	mg/kg	1.0	<1.0	15.9 17.9 11.8		102	94.9
Lead	mg/kg	1.0	<1.0	40.5 45.1 10.9		98.3	92.2
Manganese	mg/kg	1.0	<1.0	123 110 10.8		105	116
Mercury	mg/kg	0.10	<0.10	<0.10 <0.10 [NA]		109	102
Molybdenum	mg/kg	1.0	<1.0	<1.0 <1.0 [NA]		101	89.2
Nickel	mg/kg	1.0	<1.0	13.2 13.8 4.25		99.8	90.7
Selenium	mg/kg	2.0	<2.0	<2.0 <2.0 [NA]		98.0	88.5
Silver	mg/kg	1.0	<1.0	<1.0 <1.0 [NA]		99.6	98.8
Tin	mg/kg	2.0	<2.0	<2.0 <2.0 [NA]		95.9	87.2
Zinc	mg/kg	1.0	<1.0	42.2 43.9 4.04		103	89.7

Analyte	Units	PQL	Blank	DUP3	DUP4	LCS %
				BGF3782-DUP3#	BGF3782-DUP4#	
				Samp QC RPD %	Samp QC RPD %	
Arsenic	mg/kg	4		<4.0 <4.0 [NA]		[NA]
Barium	mg/kg	1		16.0 36.0 77.1 [1]		[NA]
Beryllium	mg/kg	1		<1.0 <1.0 [NA]		[NA]
Boron	mg/kg	10		<10 <10 [NA]		[NA]
Cadmium	mg/kg	0.4		<0.40 <0.40 [NA]		[NA]
Chromium	mg/kg	1		28.8 38.0 27.4		[NA]
Cobalt	mg/kg	1		2.22 4.32 [NA] [1]		[NA]
Copper	mg/kg	1		7.35 12.6 53.0 [1]		[NA]
Lead	mg/kg	1		8.19 12.0 37.5		[NA]
Manganese	mg/kg	1		47.4 123 88.5 [1]		[NA]
Mercury	mg/kg	0.1		<0.10 <0.10 [NA]		[NA]
Molybdenum	mg/kg	1		<1.0 <1.0 [NA]		[NA]
Nickel	mg/kg	1		3.41 6.37 [NA] [1]		[NA]
Selenium	mg/kg	2		<2.0 <2.0 [NA]		[NA]
Silver	mg/kg	1		<1.0 <1.0 [NA]		[NA]
Tin	mg/kg	2		<2.0 <2.0 [NA]		[NA]
Zinc	mg/kg	1		7.86 14.4 58.8 [1]		[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-008 | Inorganics - Moisture (Soil) | Batch BGF3781

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGF3781-DUP1#	BGF3781-DUP2#	
				Samp QC RPD %	Samp QC RPD %	
Moisture	%	0.1		12.8 13.4 5.04	4.46 4.45 0.224	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

QC Comments

Identifier	Description
[1]	Duplicate %RPD may be flagged as an outlier to routine laboratory acceptance, however, where one or both results are <10*PQL, the RPD acceptance criteria increases exponentially.

1235344

LABORATORY TESTING ORDER

Project Title : Southern Barossa TPs
Job Number/
Project ID : 241606-01
Project Manager: S.Taylor
Email: Stuart.taylor@lbwco.com.au
Phone: 08 8331 2417
Results to: results@lbwco.com.au, lbwco@esdat.com.au
Invoice to: finance@lbwco.com.au

Primary Laboratory: Eurofins
Laboratory Quote Ref: Pricebook 2023
Secondary Laboratory: Envirolab
Laboratory Quote Ref: LBW Pricelist

LBW co's COC REFERENCE (sample delivery group)

241606-01-COC-20250618

Turn Around Time

Standard

SAMPLE DETAILS				CHEMICAL TESTING REQUIRED																
Date Sampled	Sample ID	Sample Matrix	Additional Information / Comments	B14 (OCP + OPP)	Acid Herbicides	M15A	R21	R7 (with 15 metals)	E09500 (OCP + OPP)	E08880 (Acid Herbicides)	E02750 (15 Metals)				HOLD					
18.06.2025	TP01-01	Soil		X	X	X														
18.06.2025	TP01-02														X					
18.06.2025	TP01-03					X														
18.06.2025	TP02-01							X												
18.06.2025	TP02-02														X					
18.06.2025	TP02-03														X					
18.06.2025	TP02-04						X								X					
18.06.2025	TP02-05														X					
18.06.2025	TP03-01					X			X											
18.06.2025	TP03-02				X	X	X													
18.06.2025	TP03-03														X					
18.06.2025	TP03-04						X													
18.06.2025	TP03-05														X					
18.06.2025	TP03-06						X													
18.06.2025	TP04-01				X	X	X													
18.06.2025	TP04-02						X													
18.06.2025	TP04-03						X													
18.06.2025	TP04-04								X											
18.06.2025	TP04-05														X					
18.06.2025	TP04-06						X													
18.06.2025	TP04-07													X						
18.06.2025	TP05-01			X	X	X														
18.06.2025	TP05-02			X	X	X														
18.06.2025	TP05-03		Forward to Envirolab						X	X	X									
18.06.2025	TP05-04													X						
LBW co AUTHORISATION				LABORATORY RECEIPT				5	6	12	0	3	0	1	1	1	0	0	0	8
Requested by: M Fitzgerald				Received by:				Additional Comments  Envirolab Services 25 Research Drive Croydon South VIC 3136 Ph: (03) 9763 2500 Job No: M4P0375												
Date/Time requested: 20-Jun-25				Date/Time received:																
Signature:				Signature:																

Date Received: 23/06/25
Time Received: 12:35
Received By: [Signature]
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

15.4°C

LBW co Pty Ltd
184 Magill Road
Norwood
SA 5069



NATA Accredited
Accreditation Number 1261
Site Number 1254

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

Attention: **Stuart Taylor**

Report **1239250-S**
Project name **South Barossa Winery & Tourist Accommodation Soil Assessment**
Project ID **241606A-01**
Received Date **Jul 01, 2025**

Client Sample ID			BH15-01	BH15-03	BH15-05	BH15-07
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-JI0003754	M25-JI0003755	M25-JI0003756	M25-JI0003757
Date Sampled			Jun 26, 2025	Jun 26, 2025	Jun 26, 2025	Jun 26, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	< 2	< 2	3.5	< 2
Barium	10	mg/kg	91	57	210	470
Beryllium	2	mg/kg	< 2	< 2	< 2	< 2
Boron	10	mg/kg	< 10	< 10	18	< 10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	36	32	100	80
Cobalt	5	mg/kg	7.1	11	18	19
Copper	5	mg/kg	37	19	46	42
Lead	5	mg/kg	7.4	5.4	13	< 5
Manganese	5	mg/kg	200	220	310	240
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Molybdenum	5	mg/kg	< 5	< 5	< 5	< 5
Nickel	5	mg/kg	12	13	44	24
Selenium	2	mg/kg	< 2	< 2	< 2	< 2
Silver	2	mg/kg	< 2	< 2	< 2	< 2
Tin	10	mg/kg	< 10	< 10	< 10	< 10
Zinc	5	mg/kg	30	14	50	35
Sample Properties						
% Moisture	1	%	15	8.6	16	5.9

Client Sample ID			BH15-08	BH15-09	BH15-11	BH15-15
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-JI0003758	M25-JI0003759	M25-JI0003760	M25-JI0003761
Date Sampled			Jun 26, 2025	Jun 26, 2025	Jun 26, 2025	Jun 26, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	< 2	< 2	< 2	< 2
Barium	10	mg/kg	320	350	330	97
Beryllium	2	mg/kg	< 2	< 2	< 2	< 2
Boron	10	mg/kg	< 10	< 10	< 10	< 10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	63	38	84	37
Cobalt	5	mg/kg	10	22	12	7.5
Copper	5	mg/kg	40	51	57	40

Client Sample ID			BH15-08	BH15-09	BH15-11	BH15-15
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-JI0003758	M25-JI0003759	M25-JI0003760	M25-JI0003761
Date Sampled			Jun 26, 2025	Jun 26, 2025	Jun 26, 2025	Jun 26, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	< 5	< 5	< 5	8.9
Manganese	5	mg/kg	180	120	210	200
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Molybdenum	5	mg/kg	< 5	< 5	< 5	< 5
Nickel	5	mg/kg	18	35	20	13
Selenium	2	mg/kg	< 2	< 2	< 2	< 2
Silver	2	mg/kg	< 2	< 2	< 2	< 2
Tin	10	mg/kg	< 10	< 10	< 10	< 10
Zinc	5	mg/kg	20	17	27	27
Sample Properties						
% Moisture	1	%	9.3	20	16	14

Sample History

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

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

Description

VIC EPA Metals : Metals M17

- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS

% Moisture

- Method: LTM-GEN-7080 Moisture

Testing Site

Melbourne

Melbourne

Extracted

Jul 02, 2025

Jul 01, 2025

Holding Time

180 Days

14 Days



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

Project Name: South Barossa Winery & Tourist Accommodation Soil Assessment
Project ID: 241606A-01

Order No.:
Report #: 1239250
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jul 1, 2025 4:48 PM
Due: Jul 8, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	VIC EPA Metals : Metals M17	Moisture Set
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X
External Laboratory								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID			
1	BH15-01	Jun 26, 2025		Soil	M25-JI0003754		X	X
2	BH15-03	Jun 26, 2025		Soil	M25-JI0003755		X	X
3	BH15-05	Jun 26, 2025		Soil	M25-JI0003756		X	X
4	BH15-07	Jun 26, 2025		Soil	M25-JI0003757		X	X
5	BH15-08	Jun 26, 2025		Soil	M25-JI0003758		X	X
6	BH15-09	Jun 26, 2025		Soil	M25-JI0003759		X	X
7	BH15-11	Jun 26, 2025		Soil	M25-JI0003760		X	X
8	BH15-15	Jun 26, 2025		Soil	M25-JI0003761		X	X
9	BH15-02	Jun 26, 2025		Soil	M25-JI0003762	X		
10	BH15-04	Jun 26, 2025		Soil	M25-JI0003763	X		
11	BH15-06	Jun 26, 2025		Soil	M25-JI0003764	X		
12	BH15-10	Jun 26, 2025		Soil	M25-JI0003765	X		
13	BH15-12	Jun 26, 2025		Soil	M25-JI0003766	X		
14	BH15-13	Jun 26, 2025		Soil	M25-JI0003767	X		



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd

Address: 184 Magill Road
Norwood
SA 5069

Project Name: South Barossa Winery & Tourist Accommodation Soil Assessment

Project ID: 241606A-01

Order No.:

Report #: 1239250

Phone: 08 8331 2417

Fax: 08 8331 2415

Received: Jul 1, 2025 4:48 PM

Due: Jul 8, 2025

Priority: 5 Day

Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	VIC EPA Metals : Metals M17	Moisture Set
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X
15	BH15-14	Jun 26, 2025		Soil	M25-JI0003768	X		
16	TB-03	Jun 26, 2025		Water	M25-JI0003769	X		
Test Counts						8	8	8

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

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

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Arsenic			mg/kg	< 2			2	Pass	
Barium			mg/kg	< 10			10	Pass	
Beryllium			mg/kg	< 2			2	Pass	
Boron			mg/kg	< 10			10	Pass	
Cadmium			mg/kg	< 0.4			0.4	Pass	
Chromium			mg/kg	< 5			5	Pass	
Cobalt			mg/kg	< 5			5	Pass	
Copper			mg/kg	< 5			5	Pass	
Lead			mg/kg	< 5			5	Pass	
Manganese			mg/kg	< 5			5	Pass	
Mercury			mg/kg	< 0.1			0.1	Pass	
Molybdenum			mg/kg	< 5			5	Pass	
Nickel			mg/kg	< 5			5	Pass	
Selenium			mg/kg	< 2			2	Pass	
Silver			mg/kg	< 2			2	Pass	
Tin			mg/kg	< 10			10	Pass	
Zinc			mg/kg	< 5			5	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	101			80-120	Pass	
Barium			%	103			80-120	Pass	
Beryllium			%	108			80-120	Pass	
Boron			%	105			80-120	Pass	
Cadmium			%	97			80-120	Pass	
Chromium			%	114			80-120	Pass	
Cobalt			%	110			80-120	Pass	
Copper			%	115			80-120	Pass	
Lead			%	115			80-120	Pass	
Manganese			%	115			80-120	Pass	
Mercury			%	104			80-120	Pass	
Molybdenum			%	120			80-120	Pass	
Nickel			%	108			80-120	Pass	
Selenium			%	104			80-120	Pass	
Silver			%	97			80-120	Pass	
Tin			%	109			80-120	Pass	
Zinc			%	109			80-120	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M25-Jn0084774	NCP	%	97			75-125	Pass	
Barium	M25-Jn0084774	NCP	%	113			75-125	Pass	
Beryllium	M25-Jn0084774	NCP	%	113			75-125	Pass	
Boron	M25-Jn0084774	NCP	%	99			75-125	Pass	
Cadmium	M25-Jn0084774	NCP	%	104			75-125	Pass	
Chromium	M25-Jn0084774	NCP	%	109			75-125	Pass	
Cobalt	M25-Jn0084774	NCP	%	114			75-125	Pass	
Copper	M25-Jn0084774	NCP	%	113			75-125	Pass	
Lead	M25-Jn0084774	NCP	%	119			75-125	Pass	
Manganese	M25-Jn0084774	NCP	%	106			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mercury	M25-Jn0084774	NCP	%	103			75-125	Pass	
Molybdenum	M25-Jn0084774	NCP	%	124			75-125	Pass	
Nickel	M25-Jn0084774	NCP	%	119			75-125	Pass	
Selenium	M25-Jn0084774	NCP	%	103			75-125	Pass	
Silver	M25-Jn0084774	NCP	%	104			75-125	Pass	
Tin	M25-Jn0084774	NCP	%	120			75-125	Pass	
Zinc	M25-Jn0084774	NCP	%	110			75-125	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M25-Jn0084774	NCP	mg/kg	7.6	7.0	8.0	30%	Pass	
Barium	M25-Jn0084774	NCP	mg/kg	29	30	4.0	30%	Pass	
Beryllium	M25-Jn0084774	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Boron	M25-Jn0084774	NCP	mg/kg	< 10	< 10	<1	30%	Pass	
Cadmium	M25-Jn0084774	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M25-Jn0084774	NCP	mg/kg	22	24	9.0	30%	Pass	
Cobalt	M25-Jn0084774	NCP	mg/kg	< 5	5.1	9.0	30%	Pass	
Copper	M25-Jn0084774	NCP	mg/kg	9.4	9.8	4.0	30%	Pass	
Lead	M25-Jn0084774	NCP	mg/kg	11	12	6.0	30%	Pass	
Manganese	M25-Jn0084774	NCP	mg/kg	85	93	9.0	30%	Pass	
Mercury	M25-Jn0084774	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Molybdenum	M25-Jn0084774	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Nickel	M25-Jn0084774	NCP	mg/kg	6.8	7.5	10	30%	Pass	
Selenium	M25-Jn0084774	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Silver	M25-Jn0084774	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Tin	M25-Jn0084774	NCP	mg/kg	< 10	< 10	<1	30%	Pass	
Zinc	M25-Jn0084774	NCP	mg/kg	13	14	8.0	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	M25-JI0003754	CP	%	15	16	7.0	30%	Pass	

Comments

Sample Integrity

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

Authorised by:

Karl Bulow
Mary Makarios

Analytical Services Manager
Senior Analyst-Metal



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please [click here](#).

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Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

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

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402

Sample Receipt Advice

Company name:	LBW co Pty Ltd
Contact name:	Stuart Taylor
Project name:	South Barossa Winery & Tourist Accommodation Soil Assessment
Project ID:	241606A-01
Turnaround time:	5 Day
Date/Time received	Jul 1, 2025 4:48 PM
Eurofins reference	1239250

Sample Information

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

Notes

Contact

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

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Stuart Taylor - stuart.taylor@lbwco.com.au.

Note: A copy of these results will also be delivered to the general LBW co Pty Ltd email address.



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

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: LBW co Pty Ltd
Address: 184 Magill Road
Norwood
SA 5069

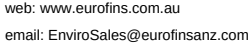
Project Name: South Barossa Winery & Tourist Accommodation Soil Assessment
Project ID: 241606A-01

Order No.:
Report #: 1239250
Phone: 08 8331 2417
Fax: 08 8331 2415

Received: Jul 1, 2025 4:48 PM
Due: Jul 8, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	VIC EPA Metals : Metals M17	Moisture Set
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X
External Laboratory								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID			
1	BH15-01	Jun 26, 2025		Soil	M25-JI0003754		X	X
2	BH15-03	Jun 26, 2025		Soil	M25-JI0003755		X	X
3	BH15-05	Jun 26, 2025		Soil	M25-JI0003756		X	X
4	BH15-07	Jun 26, 2025		Soil	M25-JI0003757		X	X
5	BH15-08	Jun 26, 2025		Soil	M25-JI0003758		X	X
6	BH15-09	Jun 26, 2025		Soil	M25-JI0003759		X	X
7	BH15-11	Jun 26, 2025		Soil	M25-JI0003760		X	X
8	BH15-15	Jun 26, 2025		Soil	M25-JI0003761		X	X
9	BH15-02	Jun 26, 2025		Soil	M25-JI0003762	X		
10	BH15-04	Jun 26, 2025		Soil	M25-JI0003763	X		
11	BH15-06	Jun 26, 2025		Soil	M25-JI0003764	X		
12	BH15-10	Jun 26, 2025		Soil	M25-JI0003765	X		
13	BH15-12	Jun 26, 2025		Soil	M25-JI0003766	X		
14	BH15-13	Jun 26, 2025		Soil	M25-JI0003767	X		



ABN: 50 005 085 521

70 Co Pty Ltd
 70 Magill Road
 70 Wood
 70 5069
 70
 70 Sh Barossa Winery & Tourist Accommodation Soil Assessment
 70 506A-01

ABN: 91 05 0159 898

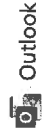
Order No.:
Report #: 1239250
Phone: 08 8331 2417
Fax: 08 8331 2415

NZBN: 9429046024954

Received: Jul 1, 2025 4:48 PM
Due: Jul 8, 2025
Priority: 5 Day
Contact Name: Stuart Taylor

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						HOLD*	VIC EPA Metals : Metals M17	Moisture Set
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X
15	BH15-14	Jun 26, 2025		Soil	M25-JI0003768	X		
16	TB-03	Jun 26, 2025		Water	M25-JI0003769	X		
Test Counts						8	8	8



Please see attached LTO for this job on for standard turnaround.

Kind Regards

Fw: 241606A-01 LTO

From Karl Bulow <Karl.Bulow@eurofinsanz.com>
Date Tue 1/7/25 4:48 PM
To SH_AU CAU001 EnviroSampleVic <EnviroSampleVic@eurofinsanz.com>; SH_EnviroVicTransit <EnviroSampleVicTransit@eurofinsanz.com>
Cc Owen Hvalica <owen.hvalica@lbwco.com.au>; Stuart Taylor <stuart.taylor@lbwco.com.au>; Parimal Acharya <Parimal.Acharya@eurofinsanz.com>

1 attachment (74 KB)
241606A-01_LTO_20250626.pdf;

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

Thanks Owen!

@SH_AU CAU001_EnviroSampleVic - Please see attached COC

Kind Regards,

Karl Bulow
Analytical Services Manager

Eurofins | Environment Testing
6 Monterey Rd
Dandenong South, VIC, 3175

Mobile : 0477 574 867
Email : karl.bulow@eurofinsanz.com

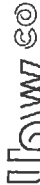
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From: Owen Hvalica <owen.hvalica@lbwco.com.au>
Sent: Tuesday, July 1, 2025 4:43 PM
To: Karl Bulow <Karl.Bulow@eurofinsanz.com>
Cc: Stuart Taylor <stuart.taylor@lbwco.com.au>
Subject: 241606A-01 LTO

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Hey karl



Owen Hvalica
Environmental Consultant

08 8331 2417 0478 789 007
 owen.hvalica@lbwco.com.au
 Kaurua Country, 184 Magill Rd, Norwood SA, 5067
 Adelaide | **Brisbane** | **United Kingdom**



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SAMPLE REGISTER & CHAIN OF CUSTODY

Project Title: South Barossa Winery & Tourist Accommodation Soil Ass

Job Number: 241606A-01

Project manager: Stuart Taylor

Email: stuart.taylor@lbwco.com.au

Phone: 8331 2417

Send results to: results@lbwco.com.au, esdat@lbwco.com.au

Send invoice to: finance@lbwco.com.au

Primary Lab: Eurofins

Lab Quote Ref: Pricebook 2023

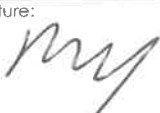
Secondary lab: ALS

ALS-PL-2024_L1

COC Reference:

(sample delivery group)

241606A-01_COC_20250626

Sample Details 1		Sample Details 2		Sample Custody - Step 1	
BH15-01 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		BH15-11 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		Relinquished by: Owen Hvalica	
BH15-02 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		BH15-12 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		Date/Time Relinquished: 26/6/25 1500	
BH15-03 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		BH15-13 241606A-01 Soil 26.06.25		Signature: 	
BH15-04 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		BH15-14 241606A-01 Soil 26.06.25		Courier and consignment number: 	
BH15-05 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		BH15-15 241606A-01 Soil 26.06.25		Received by: Michael Young	
BH15-06 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025		TB-03 241606A-01 Water 26.06.25		Date/Time Received: 26/6/25 2:15pm	
BH15-07 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025				Signature: 	
BH15-08 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025				Sample Custody - Step 2	
BH15-09 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025				Relinquished by: 	
BH15-10 LBW Job#: 241606A-01 Matrix: Soil Date: 26.06.2025				Date/Time Relinquished: on IB	
				Signature: 7.5 0.0 7.50	
				Courier and consignment number: 7.50	
				Received by: 	
				Date/Time Received: 	
				Signature: 	